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OFFICIAL REPORT

Commercial Fertilizers Commercial Feeds and Agricultural Liming Materials

STATE INSPECTION SERVICE

UNIVERSITY OF MARYLAND

College Park, Maryland

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GENERAL INTRODUCTION

The duties of the Inspection Service as set forth in the State feed, fertilizer, and lime laws, consists in the registration of brands to be offered for sale, the inspection of method of labeling, the collection and analysis of official samples, and the publication of results obtained. This publication consists of a report of work performed from July 1 to December 31, and contains a report of the analysis of official samples obtained during that period.

The first part of this bulletin contains a list and description of all brands of fertilizer registered prior to January 15 and intended for 1939 delivery in Maryland. In the past few years the number of brands listed in the January issue have increased. It is to the advantage of the fertilizer manufacturer to register his products in time to be included in this bulletin. This publication does not include all products that will be sold, as manufacturers usually find it necessary to supplement their first estimate of demands with later registrations.

There were 441 official samples of commercial fertilizer collected from dealers' warehouses or in transit during the fall season. All of these samples were analyzed for the purpose of establishing the correctness of the guarantees on the sacks or attached cards.

There is included in this publication the results of chemical and microscopical examination upon 837 samples of feed to ascertain if the manufacturers' guarantees and declaration of ingredients were sustained.

Fifty-one samples of limes were drawn from dealers' stocks and warehouses throughout the State. Results of these examinations are included in this bulletin and have also been reported to the respective manufacturers, dealers, and whenever possible to the buyers.

In addition to the anlayses of official samples included in this report, 353 samples drawn and forwarded to this Department by purchasers have been examined and reports transmitted to parties particularly interested. Since a representative sample is as essential as an accurate analysis in judging the qualify of a product, this organization can only vouch for the accuracy of the results obtained on the material submitted.

FERTILIZER REGISTRATIONS

The following pages contain a detailed list of the different brands of fertilizers registered for 1939 sales, and the declared composition of each.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
The American Agricultural Chemical Co., Baltimore, Md.										
Agrico for Top Dressing 7–7–7	6.30	.70	7.00				7.00			
Agrico for Potatoes-Tidewater 6–6–5	3.60	2.40	6.00				5.00			
Agrico for Truck 5–10–5	4.00	1.00	10.00				5.00			
Agrico for Beans 5–10–5	4.00	1.00	10.00				5.00			
Agrico for Tobacco-Sulphate 5–8–12	4.00	1.00	8.00						12.00	
Agrico for Melons 5–8–12	4.00	1.00	8.00				12.00			
Agrico for Potatoes 4–8–8	3.20	.80	8.00				8.00			
Agrico for Tomatoes 3–12–6	2.25	.75	12.00				6.00			
Agrico for Corn 3–12–6	2.25	.75	12.00				6.00			
Agrico for Sweet Potatoes 3–8–15	2.25	.75	8.00				15.00			
Agrico for Tobacco-Sulphate 3–8–15	2.25	.75	8.00						15.00	
Agrico for Grain 2–16–6	1.50	.50	12.80			3.20*	6.00			
Agrico for Grain 2–12–6	1.50	.50	12.00				6.00			
AA Slingluff's 10% Top Dresser Sulphate 10–5–2	9.00	1.00	5.00						2.00	
AA Tobacco Plant Bed Fertilizer Sulphate 8–5–2	7.20	.80	5.00						2.00	
AA Tobacco Bed Fertilizer Sulphate 6–6–8	5.40	.60	6.00						8.00	
Detrick's Gold Basis Fertilizer 6–6–5	4.50	1.50	6.00				5.00			
AA Prince George Tobacco Fertilizer-Sulphate 4–8–12	3.20	.80	8.00						12.00	
AA Red Leaf Tobacco Fertilizer Sulphate 4–8–10	3.20	.80	8.00						10.00	
AA Gladiator Fertilizer 4–8–8	3.20	.80	8.00				8.00			
AA Golden Leaf Tobacco Fertilizer-Sulphate 4–8–7	3.20	.80	8.00						7.00	
AA Climax Fertilizer 3–12–6	2.25	.75	12.00				6.00			
AA Calvert Tobacco Fertilizer-Sulphate 3–8–15	2.25	.75	8.00						15.00	
AA Royal Sweet Potato Fertilizer 3–8–15	2.25	.75	8.00				15.00			
AA Horse Shoe Fertilizer 2–12–6	1.50	.50	12.00				6.00			
AA Silk Leaf Tobacco Fertilizer-Sulphate 2–8–10	1.50	.50	8.00						10.00	
AA Old Hickory Fertilizer 2–8–10	1.50	.50	8.00				10.00			
AA Red Dog Fertilizer 2–9–5	1.50	.50	9.00				5.00			
Sulphate of Ammonia 20.50–0–0	20.50									
Pure Raw Bone 3.70-T. P. A. 20–0		3.70				20.00†				
Fine Ground Bone 2.47–T. P. A. 23–0		2.47				23.00†				
Pulverized Sheep and Goat Manure 1.25–T. P. A. 1–2		1.25								

Pulverized Sheep and Goat Manure 1.25–T. P. A. 1–2		1.25								
AA Chieftain Mixture 0–14–6			14.00				6.00			
AA XXX Mixture 0–12–12			12.00				12.00			
AA Superphosphate 0–20–0			16.00			4.00‡				
AA Superphosphate 0–16–0			16.00							
AA Basic Lime Phosphate 0–16–0			16.00							
Muriate of Potash 0–0–50							50.00			
Sulphate of Potash 0–0–48									48.00	
Kainit 0–0–20								20.00		
American Cyanamid Co., New York, N. Y.										
"Aero" Cyanamid Granular 21–0–0		21.00								
"Ammo-Phos" 11–48–0	11.00					48.00#				
Armour Fertilizer Works, Baltimore, Md.										
Armour's Special Top Dresser 10–6–4	9.00	1.00	6.00				4.00			
Armour's Plant Bed Fertilizer 6–6–8	4.80	1.20	6.00						8.00	
Armour's Big Crop Fertilizer 6–6–5	3.60	2.40	6.00				5.00			
Armour's Big Crop Fertilizer 5–10–5	3.75	1.25	10.00				5.00			
Armour's Big Crop Fertilizer 5–8–12	3.75	1.25	8.00				12.00			
Armour's Big Crop Fertilizer 4–12–4	3.00	1.00	12.00				4.00			
Armour's Special Tobacco Grower 4–8–12	2.40	1.60	8.00						12.00	
Armour's Big Crop Fertilizer 4–8–8	2.80	1.20	8.00				8.00			
Armour's Big Crop Fertilizer 3–12–6	2.10	.90	12.00				6.00			
Armour's Super Fish Mixture 3–12–6	1.80	1.20	12.00				6.00			
Armour's Big Crop Fertilizer 3–8–15	2.10	.90	8.00				15.00			
Armour's Special Tobacco Grower 2–12–8	1.20	.80	12.00						8.00	
Armour's Big Crop Fertilizer 2–12–6	1.40	.60	12.00				6.00			
Armour's Big Crop Fertilizer 2–8–10	1.40	.60	8.00				10.00			
Armour's Special Tobacco Grower 2–8–10	1.20	.80	8.00						10.00	
Armour's Big Crop Fertilizer 2–9–5	1.40	.60	9.00				5.00			
Armour's Sulphate of Ammonia 20.50–0–0	20.50									
Armour's Ground Tankage 6–0–0		6.00								
Armour's Raw Bone Meal 3.70–T. P. A. 20.50–0		3.70				20.50†				
Armour's Bone Meal 2.47–T. P. A. 23–0		2.47				23.00†				
Armour's Sheep and Goat Manure 1.25–T. P. A. 1–2		1.25								
Armour's Big Crop Fertilizer 0–14–6			14.00				6.00			
Armour's Big Crop Fertilizer 0–12–12			12.00				12.00			
Armour's Big Crop Superphosphate 0–20–0			20.00							
Armour's Big Crop Superphosphate 0–16–0			16.00							
Armour's Big Crop Lime Phosphate 0–16–0			16.00							
Armour's Muriate of Potash 0–0–50							50.00			
Armour's Kainit 0–0–20								20.00		

* Ammo-Phos. † Total Phosphoric Acid. ‡ Triple Superphosphate. # Orthophosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
The Barrett Co., New York, N. Y.										
Arcadian Sulphate of Ammonia 20.56–0–0	20.56									
Sulphate of Ammonia 20.56–0–0	20.56									
Arcadian the American Nitrate of Soda 16–0–0	16.00									
The Baugh & Sons Co., Baltimore, Md.										
Baugh's Plant Bed Fertilizer 10–5–2	9.00	1.00	5.00						2.00	
Baugh's Plant Bed Fertilizer 8–5–2	6.80	1.20	5.00						2.00	
Baugh's Plant Bed Fertilizer 6–6–8	5.10	.90	6.00						8.00	
Baugh's Original Potato Guano 6–6–5	3.60	2.40	6.00				5.00			
Baugh's Balanced Plant Food 4–12–4	3.10	.90	12.00				4.00			
Baugh's Approved Truck Grower 4–8–8	3.00	1.00	8.00				8.00			
Baugh's Three Quarter Century Perfection Brand 3–12–6	2.10	.90	12.00				6.00			
Baugh's High Grade Fish Brand 3–12–6	1.80	1.20	11.70		.30		6.00			
Baugh's Double Eagle Phosphate 2–12–6	1.20	.80	12.00				6.00			
Baugh's Commercial Crop Compound 2–8–10	1.40	.60	8.00				10.00			
Baugh's Raw Bone Meal, Warranted Pure 3.70–T.P.A. 20.50–0		3.70				20.50*				
Baugh's Pure Steamed Bone Meal 2.47–T. P. A. 23–0		2.47				23.00*				
Baugh's Phosphate and Potash Mixture 0–14–6			14.00				6.00			
Baughphos, The Ideal Superphosphate 0–20–0			20.00							
Baughphos, The Ideal Superphosphate 0–16–0			16.00							
F. W. Bolgiano & Co., Inc., Washington, D. C.										
Gold Tag 8–5–2	7.20	.80	5.00						2.00	
Gold Tag 6–6–5	3.60	2.40	6.00			....	5.00			
Gold Tag 4–8–12	3.00	1.00	8.00			....			12.00	
Gold Tag 4–8–5	3.00	1.00	8.00		....		5.00			
Gold Tag 2–12–6	1.50	.50	12.00				6.00			
Gold Tag 2–12–4	1.50	.50	12.00				4.00			
Gold Tag 2–9–5	1.50	.50	9.00				5.00			
Gold Tag 2–8–10	1.50	.50	8.00				10.00			
Gold Tag Sulphate of Ammonia 20–0–0	20.00									
Gold Tag Raw Bone Meal 3.70–T. P. A. 20.50–0		3.70				20.50*				
Gold Tag Steamed Bone Meal 2.47–T. P. A. 23–0		2.47				23.00*				

Gold Tag Raw Bone Meal 3.70–T. P. A. 20.50–0		3.70				20.50*				
Gold Tag Steamed Bone Meal 2.47–T. P. A. 23–0		2.47				23.00*				
Gold Tag Superphosphate 0–16–0			16.00							
Chilean Nitrate Sales Corp., New York, N. Y.										
Champion Brand Chilean Nitrate of Soda 16–0–0	16.00									
Old Style Chilean Nitrate of Soda 16–0–0	16.00									
Chilean Nitrate of Soda and Potash 15–0–14	15.00									
Cooperative Southern States Fertilizer Services, Inc., Baltimore Md.										
Farm Bureau Quality Granulated Superphosphate 0–20–0			20.00							
The Davison Chemical Corp., Baltimore, Md.										
Davco Granulated Pomo Food 10–6–4	9.65	.35	6.00				4.00			
Davco Granulated Fertilizer 6–6–5	5.79	.21	6.00				5.00			
Davco Granulated Fertilizer 5–8–12	4.93	.07	8.00				12.00			
Davco Granulated Tomato Food 4–12–6	3.86	.14	12.00				6.00			
Davco Granulated Fertilizer 4–12–4	3.86	.14	12.00				4.00			
Davco Granulated Fertilizer 4–8–8	3.86	.14	8.00				8.00			
Davco Granulated Fertilizer 3–12–6	2.90	.10	12.00				6.00			
Davco Granulated Fertilizer 2–12–6	2.00		12.00				6.00			
Davco Granulated Fertilizer 2–8–10	2.00		8.00				10.00			
Davco Granulated Fertilizer 0–14–6			14.00				6.00			
Davco Granulated Superphosphate 0–20–0			20.00							
Devilbiss Bros., New Windsor, Md.										
Butcher House 2–9–5	1.60	.40	9.00				2.00			3.00
Wheat Grower 1–10–5	.80	.20	10.00				2.00			3.00
Super Phosphate 0–18–0			18.00							
E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.										
"Uramon" 42–0–0		42.00								
Eastern States Farmers' Exchange, West Springfield, Mass.										
Eastern States 12–16–12	12.00		7.00			9.00†	1.40			10.60‡
Eastern States 10–6–4	9.80	.20	6.00				4.00			
Eastern States 8–24–8	6.00	2.00	24.00				8.00			
Eastern States 8–12–20	8.00		12.00				20.00			
Eastern States 8–16–16	8.00		16.00				16.00			
Eastern States 4–24–12	2.40	1.60	24.00				12.00			
Eastern States 4–16–20	4.00		16.00				20.00			
Eastern States 4–12–4	2.70	1.30	12.00				4.00			

* Total Phosphoric Acid. † Ammonium Phosphate ‡ Nitrate of Potash

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Eastern State Farmers' Exchange, West Springfield, Mass. (Cont.)										
Eastern States 4–8–8	3.90	.10	8.00				8.00			
Eastern States 2–12–6	1.00	1.00	12.00				6.00			
Eastern States 2–8–10	2.00		8.00				10.00			
Eastern States Agricultural Urea 42–0–0		42.00								
Eastern States Calnitro 20.50–0–0	20.50									
Eastern States 0–28–12			28.00				12.00			
Eastern States 0–20–20			20.00				20.00			
Eastern States Double Superphosphate 0–40–0			40.00							
Eastern States Superphosphate 0–20–0			20.00							
Eastern States Muriate of Potash 0–0–60							60.00			
Egypt Poultry Farm, Owings Mills, Md.										
Egyptian Grower 2.68–T. P. A. 1.60–1.28		2.68								
Edelen Brothers, Baltimore, Md.										
Edelen's 10% Tobacco Bed 10–5–2	9.00	1.00	5.00						2.00	
Farmers' Cooperative Association, Inc., Frederick, Md.										
Spring Special 4–8–8	3.20	.80	8.00				8.00			
Sure Crop 2–12–6	1.60	.40	12.00				6.00			
Wheat and Grass Special 2–9–5	1.60	.40	9.00							5.00
Rock and Potash Special 0–12–5			12.00							5.00
Superphosphate 0–16–0			16.00							
Ford Motor Co., Dearborn, Mich.										
Ford Ammonium Sulphate 20.80–0–0	20.80									
Hansen Inoculator Co., Inc., Urbana, Ill.										
Hansen Humus Inoculator										

A. H. Hoffman, Inc., Landisville, Pa.
Hoffman's Plant Food 5–8–6

A. H. Hoffman, Inc., Landisville, Pa.										
Hoffman's Plant Food 5–8–6	3.50	1.50	8.00						6.00	
Hoffman's Bone Meal 3.70–T. P. A. 20–0		3.70				20.00*				
Hoffman's Cow Manure (Dehydrated) 2–T. P. A. 2–2										
Hoffman's Sheep Manure (Kiln-Dried) 1.85–T. P. A. 1–2										
Huston, Culver & Co., Inc., Seaford, Del.										
Huston, Culver & Co's 6% 6–6–5	5.00	1.00	6.00				5.00			
Truck Guano 5–8–12	4.00	1.00	8.00				12.00			
Tomatoe Special 4–8–10	3.00	1.00	8.00				10.00			
Huston, Culver & Co's Special 4–8–8	3.00	1.00	8.00				8.00			
Trucker 4–8–5	3.00	1.00	8.00				5.00			
Sweet Potatoe Mixture 3–8–10	2.00	1.00	8.00				10.00			
Crop Grower 2–9–5	1.50	.50	9.00				5.00			
Sussex Special 2–8–10	1.50	.50	8.00				10.00			
Huston's Special 1–10–5	.50	.50	10.00				5.00			
Wheat Special 0–10–10			10.00				10.00			
Double Potash Mixture 0–12–5			12.00				2.50	2.50		
Rock & Kainit 0–8–8			8.00				8.00			
Superphosphate 0–16–0			16.00							
The Maryland Milling & Supply Co., Sykesville, Md.										
M. M. & S. Co. Potato Guano 6–6–5	5.50	.50	6.00				5.00			
Forthman's Special 5–10–5	4.75	.25	10.00				5.00			
M. M. & S. Co. Tomato-Corn 4–8–8	3.75	.25	8.00					8.00		
Gambrill's Wheat-Grass Grower 3–12–6	2.75	.25	12.00				6.00			
General Crop 2–12–4	1.75	.25	12.00					4.00		
Newman's Favorite 2–9–5	1.50	.50	9.00					5.00		
Dietrich's Favorite 1–10–5	.75	.25	10.00					5.00		
Special Mixture Soy Beans-Alfalfa 0–12–12			12.00					12.00		
Phosphate-Potash 0–12–5			12.00					5.00		
High Grade Superphosphate 0–16–0			16.00							
Maryland Tobacco Growers' Association, Baltimore, Md.										
Md. Assoc. Brand For Tobacco 10–5–2	9.00	1.00	5.00						2.00	
Md. Assoc. Brand For Tobacco 8–5–2	6.80	1.20	5.00						2.00	
Md. Assoc. Brand For Tobacco 6–6–8	4.80	1.20	6.00						8.00	
The Meyer Seed Co., Baltimore, Md.										
M-S Lawn and Plant Food 6–6–5	3.60	2.40	5.20		.80				5.00	
The Nitragin Co., Inc., Milwaukee, Wis.										
Nitragin										

* Total Phosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
North American Cement Corp., New York, N. Y.										
Security Potash-Lime 0–0–5									5.00	
Plantabbs Corp., Baltimore, Md.										
Fulton's Plantabbs 11–15–20	11.00					15.00*				20.00†
Warner W. Price Co., Inc., Smyrna, Del.										
Ralph's Mixture 3–8–8	2.00	1.00	7.57		.43		4.00			4.00
Ralph's Improved Wheat Formula 2–12–6	1.25	.75	11.40	.60			6.00			
0–10–10			10.00				10.00			
0–12–5			12.00				5.00			
Superphosphate 0–16–0			16.00							
The Pulverized Manure Co., Chicago, Ill.										
Wizard Brand Pulverized Sheep Manure 2–T. P. A. 1–2		2.00								
Wizard Brand Cow Manure 2–T. P. A. 1–1										
Read Drug & Chemical Co., Baltimore, Md.										
Plantgro 4–12–4	4.00		12.00				4.00			
Raw Bone Meal 3.70–T. P. A. 21.50–0		3.70				21.50‡				
F. S. Royster Guano Co., Baltimore, Md.										
Royster Fertilizer 10–6–4	9.50	.50	6.00				4.00			
Royster Tobacco Bed Fertilizer 8–5–2	6.40	1.60	5.00						2.00	
Royster Arrow Truck Guano 6–6–5	3.60	2.40	6.00				5.00			
Royster Dependable Truck Guano 5–10–5	4.00	1.00	10.00				5.00			
Royster Fertilizer 5–8–12	4.00	1.00	8.00				12.00			
Royster General Crop Fertilizer 4–12–10	3.20	.80	12.00				10.00			
Royster Trojan Guano 4–12–4	3.20	.80	12.00				4.00			
Royster Invincible Tobacco Fertilizer 4–8–12	2.40	1.60	8.00						12.00	
Royster Prize Guano 4–8–10	3.20	.80	8.00				10.00			
Royster Quality Trucker 4–8–7	3.20	.80	8.00				7.00			
Royster Trusty Guano 4–8–8	3.20	.80	8.00				8.00			

Royster Trusty Guano 4–8–8	3.20	.80	8.00				8.00†			
Royster Special Trucker 4–8–5	3.20	.80	8.00				5.00			
Royster Curlew Guano 3–12–6	2.40	.60	12.00				6.00			
Royster Fertilizer 3–8–15	2.40	.60	8.00				15.00			
Royster Favorite Guano 3–8–10	2.40	.60	8.00				10.00			
Royster Maryland Pride Tobacco Fertilizer 2–12–8	1.20	.80	12.00						8.00	
Royster Master Grain Guano 2–12–6	1.60	.40	12.00				6.00			
Royster Gem Grain Guano 2–12–4	1.60	.40	12.00				4.00			
Royster Big Bully Guano 2–9–5	1.60	.40	9.00				5.00			
Royster Banner Guano 2–8–10	1.60	.40	8.00				10.00			
Royster Surety Guano 1–10–5	.60	.40	10.00				5.00			
Royster Sulphate of Ammonia 20.56–0–0	20.56									
Royster Raw Bone Meal 3.70–T. P. A. 20.60–0		3.70				20.60‡				
Royster Sheep Manure 1.23–T. P. A. 1–2		1.23								
Royster Phosphate & Potash 0–14–6			14.00				4.00			2.00#
Royster Phosphate & Potash 0–12–12			12.00				9.00			3.00#
Royster Phosphate & Potash 0–10–10			10.00				6.67			3.33#
Royster Phosphate & Potash 0–12–5			12.00				3.33			1.67#
Royster Superphosphate 0–20–0			20.00							
Royster Superphosphate 0–16–0			16.00							
Royster Kainit 0–0–20								20.00		
Wm. G. Scarlett & Co., Baltimore, Md.										
Scarlett's Greenway Brand Bone Meal 2.50–T. P. A. 24–0		2.50				24.00‡				
Greenway Brand Domestic Sheep Manure 1.85–T. P. A. 1–1.75		1.85								
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.										
Esskay Plant Food 5–9–4		5.00		9.00			4.00			
Esskay Raw Bone Meal 3.50–T. P. A. 25–0		3.50				25.00‡				
R. H. Slingluff Fertilizer Co., Baltimore, Md.										
Slingluff's 10% Tobacco Bed 10–5–2	9.00	1.00	5.00						2.00	
Southen States Cooperative, Inc., Richmond, Va.										
Southern States Cooperative Quality Big Yield 6–6–5	5.10	.90	6.00				5.00			
Southern States Cooperative Quality Open Formula 6–6–5 Super	3.60	2.40	6.00				5.00			
Southern States Cooperative Quality Open Formula Fertilizer Super 5–8–12	3.00	2.00	8.00				12.00			
Southern States Cooperative Quality Open Formula Fertilizer 4–16–4	2.40	1.60	16.00				4.00			

* From Ammonium Phosphate. † From Potassium Nitrate. ‡ Total Phosphoric Acid. # Carbonate of Potash.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Southern States Cooperative, Inc., Richmond, Va. (Continued)										
Southern States Cooperative Quality Open Formula Fertilizer 4–12–8	2.40	1.60	12.00	.....	.....	.....	8.00	.....	.....	.....
Southern States Cooperative Quality Open Formula Fertilizer 4–12–4	2.40	1.60	12.00	.....	.....	.....	4.00	.....	.....	.....
Southern States Cooperative Quality Open Formula Fertilizer 4–8–8	2.40	1.60	8.00	.....	.....	.....	8.00	.....	.....	.....
Southern States Cooperative Quality Open Formula Fertilizer 4–8–7	2.40	1.60	8.00	.....	.....	.....	7.00	.....	.....	.....
Southern States Cooperative Quality Open Formula Fertilizer 4–8–5	2.40	1.60	8.00	.....	.....	.....	5.00	.....	.....	.....
Southern States Cooperative Quality Open Formula Fertilizer 3–8–15	1.80	1.20	8.00	.....	.....	.....	15.00	.....	.....	.....
Southern States Cooperative Quality Open Formula Fertilizer 3–12–6	1.80	1.20	12.00	.....	.....	.....	6.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 3–8–10	1.80	1.20	8.00	.....	.....	.....	10.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 2–12–6	1.20	.80	12.00	.....	.....	.....	6.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 2–12–4	1.20	.80	12.00	.....	.....	.....	4.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 2–8–10	1.20	.80	8.00	.....	.....	.....	10.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 2–9–5	1.20	.80	9.00	.....	.....	.....	5.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 2–9–3	1.20	.80	9.00	.....	.....	.....	3.00	.....	.....	.....
Southern States Cooperative Quality Sulphate of Ammonia 20.50–0–0	20.50	.....	.....	.....	.....	.....	.....	.....	.....	.....
Southern States Cooperative Quality Raw Bone Meal 3.70–T. P. A. 20–0	.....	3.70	.....	.....	.....	20.00*	.....	.....	.....	.....
Southern States Cooperative Quality Steamed Bone Meal 2.47–T. P. A. 21–0	.....	2.47	.....	.....	.....	21.00*	.....	.....	.....	.....
Southern States Cooperative Quality Open Formula Fertilizer 0–14–6	.....	.....	14.00	.....	.....	.....	6.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 0–10–10	.....	.....	10.00	.....	.....	.....	10.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 0–12–5	.....	.....	12.00	.....	.....	.....	.....	.....	.....	5.00
Southern States Cooperative Quality Superphosphate Big Yield										

Southern States Cooperative Quality Superphosphate Big Yield 0–20–0			20.00							
Southern States Cooperative Quality Open Formula Fertilizer Superphosphate 0–20–0			20.00							
Southern States Cooperative Quality Superphosphate 0–16–0			16.00							
Southern States Cooperative Quality Open Formula Fertilizer Limed Superphosphate 0–16–0			16.00							
Southern States Cooperative Quality High Grade Kainit 0–0–20								20.00		
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md.										
Standard 6–6–5	4.80	1.20	6.00				5.00			
Standard 5–10–5	4.00	1.00	10.00				5.00			
Standard 5–8–12	4.00	1.00	8.00				12.00			
Standard 4–12–4	3.20	.80	12.00				4.00			
Standard 4–8–8	3.20	.80	8.00				8.00			
Standard 3–12–6	2.40	.60	12.00				6.00			
Standard 2–12–6	1.60	.40	12.00				6.00			
Standard 2–8–10	1.60	.40	8.00				10.00			
Standard 2–9–5	1.60	.40	9.00				5.00			
Standard 0–14–6			14.00				6.00			
Standard Superphosphate 0–20–0			20.00							
Standard Superphosphate 0–16–0			16.00							
Swift & Co., Fertilizer Works, A Division of Swift & Co., Baltimore, Md.										
Swift's Red Steer Tobacco Grower 10–5–2	8.00	2.00	5.00						2.00	
Swift's Red Steer Tobacco Grower 8–5–2	6.40	1.60	5.00						2.00	
Swift's Red Steer Tobacco Grower 6–6–8	4.50	1.50	5.22			.78†			8.00	
Swift's Red Steer 6–6–5	4.50	1.50	6.00				5.00			
Swift's Red Steer 5–8–12	3.75	1.25	8.00				12.00			
Swift's Red Steer 4–12–4	3.40	.60	10.97			1.03†	4.00			
Vigoro 4–12–4	4.00		12.00				4.00			
Swift's Red Steer Tobacco Grower 4–8–12	3.00	1.00	6.96			1.04†			12.00	
Swift's Red Steer Tobacco Grower 4–8–10	3.00	1.00	6.96			1.04†			10.00	
Swift's Red Steer 4–8–10	3.00	1.00	6.96			1.04†	10.00			
Swift's Red Steer Tobacco Grower 4–8–7	3.00	1.00	6.96			1.04†			7.00	
Swift's Red Steer 4–8–7	3.00	1.00	6.96			1.04†	7.00			
Swift's Red Steer 4–8–5	3.00	1.00	8.00				5.00			
Swift's Red Steer Tobacco Grower 4–8–5	3.00	1.00	8.00						5.00	
Swift's Red Steer 3–12–6	2.40	.60	12.00				6.00			
Swift's Red Steer 3–8–10	2.25	.75	8.00				10.00			
Swift's Red Steer 2–12–6	1.50	.50	12.00				6.00			
Swift's Red Steer 2–12–4	1.50	.50	12.00				4.00			

* Total Phosphoric Acid.

† Ammonium Phosphate.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Swift & Co., Fertilizer Works, Baltimore, Md. (Continued)										
Swift's Red Steer 2-9-5	1.50	.50	7.83			1.17*	5.00			
Swift's Red Steer Tobacco Grower 2–8–10	1.50	.50	6.96			1.04*			10.00	
Swift's Red Steer 2–8–10	1.50	.50	6.96			1.04*	10.00			
Raw Bone Meal Fertilizer 3.70–T. P. A. 20–0		3.70				20.00†				
Bone Meal Fertilizer 2.47–T. P. A. 23–0		2.47				23.00†				
Swift's Cattle Manure 1.85–T. P. A. .75–1.50		1.85								
Swift's Sheep Manure 1.85–T. P. A. 1–1.75		1.85								
Swift's Red Steer 0–14–6			14.00				6.00			
Swift's Red Steer 0–10–10			10.00				10.00			
Swift's Red Steer 0–12–5			12.00				5.00			
Swift's Red Steer Superphosphate 0–20–0			20.00							
Swift's Red Steer Superphosphate 0–16–0			16.00							
Kainit 0–0–20								20.00		
Synthetic Nitrogen Products Corp., New York, N. Y.										
Urea 46–0–0		46.00								
Nitrophoska 15–30–15	15.00					30.00‡	15.00			
Cal-Nitro 16–0–0	16.00									
Tennessee Corp., Lockland, Ohio										
Loma 5–10–4	4.00	1.00	10.00				4.00			
Soil-Prep 4–2–2		4.00		2.00						2.00#
Thomas Supply Co., Adamstown, Md.										
Thomas 2–12–6	1.60	.40	12.00				6.00			
Thomas Wheat Special 2–9–5	1.60	.40	9.00				5.00			
Thomas Superphosphate 0–16–0			16.00							
The Urbana Laboratories, Urbana, Ill.										
Urbana Culture Inoculation containing Legume bacteria prepared on Agar Medium										
Virginia-Carolina Chemical Corp., Baltimore, Md.										
V-C 6% Truck Fertilizer 6–6–5	3.60	2.40	6.00				4.50		50#	

Virginia-Carolina Chemical Corp., Baltimore, Md.										
V-C. 6% Truck Fertilizer 6–6–5	3.60	2.40	6.00	.....	.....	.....	4.50	.....	.50#	.....
V-C. 5–7–12 Fertilizer	3.75	1.25	8.00	.....	.....	.....	11.50	.....	.50#	.....
V-C. 4–8–10 Fertilizer	3.00	1.00	8.00	.....	.....	.....	9.50	.....	.50#	.....
V-C. 4–8–8 Fertilizer	3.00	1.00	8.00	.....	.....	.....	7.50	.....	.50#	.....
V-C. 3–12–6 Fertilizer	2.25	.75	12.00	.....	.....	.....	5.50	.....	.50#	.....
V-C. 3–8–10 Fertilizer	2.25	.75	8.00	.....	.....	.....	9.50	.....	.50#	.....
V-C. 2–12–6 Fertilizer	1.50	.50	12.00	.....	.....	.....	4.00	.....	.50#	1.50
V-C. 2–12–4 Fertilizer	1.50	.50	12.00	.....	.....	.....	2.00	.....	.50#	1.50
V-C. Fish & Potash Mixture 2–9–5	1.50	.50	9.00	.....	.....	.....	4.00	.....	1.00#	.....
V-C. 2–8–10 Fertilizer	1.50	.50	8.00	.....	.....	.....	9.50	.....	.50#	.....
V-C. 0–14–6 Fertilizer	.....	.....	14.00	.....	.....	.....	5.50	.....	.50#	.....
V-C. Superphosphate 0–20–0	.....	.....	20.00	.....	.....	.....	.....	.....	.....	.....
Walker-Gordon Laboratory Co., Inc., Plainsboro, N. J.										
Bovung 2–T. P. A. 2–2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
The Worcester Fertilizer Co., Snow Hill, Md.										
Worcester's King Twenty 6–8–6	4.20	1.80	8.00	.....	.....	.....	6.00	.....	.....	.....
Worcester's Commander 6–6–5	4.20	1.80	5.50	.....	.50	.....	5.00	.....	.....	.....
Worcester's Gilt Edge 6–6–5	3.60	2.40	5.25	.....	.75	.....	5.00	.....	.....	.....
Worcester's Gold Crown 5–8–12	3.50	1.50	8.00	.....	.....	.....	12.00	.....	.....	.....
Worcester's Correct Plant Food Mixture 4–8–10	2.80	1.20	7.70	.....	.30	.....	10.00	.....	.....	.....
Worcester's Early Trucker 4–8–8	2.80	1.20	7.75	.....	.25	.....	8.00	.....	.....	.....
Worcester's Correct Plant Food Mixture 4–8–5	2.80	1.20	7.75	.....	.25	.....	5.00	.....	.....	.....
Worcester's Correct Plant Food Mixture 3–8–10	2.10	.90	7.70	.....	.30	.....	10.00	.....	.....	.....
Worcester's Correct Plant Food Mixture 2–8–10	1.40	.60	8.00	.....	.....	.....	10.00	.....	.....	.....
Superphosphate 0–16–0	.....	.....	16.00	.....	.....	.....	.....	.....	.....	.....

* Ammonium Phosphate † Total Phosphoric Acid. ‡ Diamonium Phosphate. # Tobacco Stems.

FERTILIZER ANALYSES

A detailed table showing results obtained in the examination of fertilizers from July 1, 1938 to January 1, 1939, is given on pages 20 to 37, inclusive.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The Acme Guano Co., Baltimore, Md.													
Acme 2–12–6	Bel Air	2.00	2.02	1.60	1.63	.40	.39	.70	12.00	11.60	6.00	5.67	82 A
Acme 2–9–5	Bel Air	2.00	2.04	1.60	1.63	.40	.41	.70	9.00	9.30	5.00	5.38	143 A
Acme 2–9–5	Walkersville	2.00	2.12	1.60	1.66	.40	.46	.60	9.00	9.30	5.00	5.00	17 B
Acme 2–9–5	New Windsor	2.00	2.05	1.60	1.70	.40	.35	.70	9.00	9.00	5.00	5.00	53 A
The American Agricultural Chemical Co., Baltimore, Md.													
AA Climax Fertilizer 3–12–6	Baltimore	3.00	2.88	2.25	2.39	.75	.49	1.70	12.00	12.30	6.00	6.21	191 A
Agrico for Wheat 2–12–6	Baltimore	2.00	2.01	1.50	1.43	.50	.58	1.00	12.00	12.50	6.00	6.40	20 A
Agrico for Wheat 2–12–6	Baltimore	2.00	2.05	1.50	1.43	.50	.62	.80	12.00	12.60	6.00	6.50	36 A
AA. Horse Shoe Fertilizer 2–12–6	Baltimore	2.00	1.98	1.50	1.39	.50	.59	1.10	12.00	13.00	6.00	6.32	132 A
Agrico for Grain 2–12–4	Baltimore	2.00	1.96	1.50	1.48	.50	.48	1.20	12.00	12.10	4.00	4.34	4 A
Agrico for Grain 2–12–4	Baltimore	2.00	2.12	1.50	1.56	.50	.56	1.30	12.00	12.20	4.00	4.19	43 A
AA. Farmers Friend Fertilizer 2–12–4	Baltimore	2.00	1.97	1.50	1.47	.50	.50	1.10	12.00	12.50	4.00	4.46	29 B
AA. Kangaroo Komplete Kompound 2–10–4	Baltimore	2.00	1.97	1.50	1.54	.50	.43	1.10	10.00	10.40	4.00	4.19	81 A
AA. Red Dog Fertilizer 2–9–5	Baltimore	2.00	1.98	1.50	1.50	.50	.48	.80	9.00	9.50	5.00	5.42	104 A
AA. Red Dog Fertilizer 2–9–5	Baltimore	2.00	1.87	1.50	1.35	.50	.52	.80	9.00	9.10	5.00	5.30	80 A
Listers Harvest Queen Fertilizer 2–9–5	Baltimore	2.00	1.98	1.50	1.54	.50	.44	1.00	9.00	9.10	5.00	5.37	69 A
AA. Old Hickory Fertilizer 2–8–10	Baltimore	2.00	2.01	1.50	1.47	.50	.54	1.00	8.00	8.70	10.00	10.08	70 A
Pure Raw Bone 3.70–T.P.A. 20–0	Baltimore	3.70	3.51						*20.00	*20.60			
Fine Ground Bone 2.47–T.P.A. 23–0	Baltimore	2.47	2.64						*23.00	*23.80			
Pulverized Sheep & Goat Manure 1.25–T.P.A. 1–2	Baltimore	1.25	1.50						*1.00	*1.20	2.00	3.49	
AA. XXX Mixture 0–10–10	Baltimore							.90	10.00	11.00	10.00	10.24	
AA. Victory Mixture 0–12–5	Baltimore							1.20	12.00	12.10	5.00	5.04	
AA. Victory Mixture 0–12–5	Baltimore							1.20	12.00	12.80	5.00	5.50	
AA. Superphosphate 0–20–0	Baltimore							1.40	20.00	20.70			
AA. Superphosphate 0–20–0	Baltimore							1.40	20.00	21.10			
AA. Superphosphate 0–16–0	Baltimore							1.60	16.00	16.90			
AA. Superphosphate 0–16–0	Baltimore							1.60	16.00	16.50			
AA. Basic Lime Phosphate 0–16–0	Baltimore							1.60	16.00	16.20			
Sulphate of Potash 0–0–48	Baltimore										48.00	49.70	
American Cyanamid Co., New York, N. Y.													
21% "Aero" Cyanamid Granular 21–0–0	Baltimore	21.00	21.02										
Armour Fertilizer Works, Baltimore, Md.													

American Cyanamid Co., New York, N. Y.													
21% "Aero" Cyanamid Granular 21–0–0	Baltimore	21.00	21.02										
Armour Fertilizer Works, Baltimore, Md.													
Armour's Big Crop Fertilizer 2–12–6	Baltimore	2.00	2.02	1.40	1.31	.60	.71	.40	12.00	12.50	6.00	6.45	43 A
Armour's Big Crop Fertilizer 2–12–4	Baltimore	2.00	2.02	1.40	1.31	.60	.71	.80	12.00	12.80	4.00	3.42	15 A
Armour's Big Crop Fertilizer 2–9–5	Baltimore	2.00	1.97	1.40	1.33	.60	.64	.60	9.00	9.00	5.00	5.28	13 B
Armour's Big Crop Fertilizer 2–8–10	Baltimore	2.00	1.98	1.40	1.33	.60	.65	.20	8.00	8.60	10.00	10.40	23 B
Armour's Big Crop Fertilizer 2–8–10	Baltimore	2.00	1.91	1.40	1.40	.60	.50	.50	8.00	8.00	10.00	10.40	18 B
Armour's Bone Meal 2.47–T.P.A. 23–0	Baltimore	2.47	2.89					.30	8.00	8.10	10.00	10.86	31 B
Armour's Sheep & Goat Manure 1.25–T.P.A. 1–2	Baltimore	1.25	1.70						23.00*	23.60*			
Armour's Big Crop Fertilizer 0–10–10	Baltimore								1.00*	2.30*	2.00	3.80	
Armour's Big Crop Fertilizer 0–12–5	Baltimore							.50	10.00	10.00	10.00	10.24	
Armour's Big Crop Superphosphate 0–20–0	Baltimore							.90	12.00	12.60	5.00	5.30	
Armour's Big Crop Superphosphate 0–20–0	Baltimore							.30	20.00	21.00			
Armour's Big Crop Superphosphate 0–20–0	Baltimore							.40	20.00	20.60			
Armour's Big Crop Superphosphate 0–16–0	Baltimore							.40	20.00	20.80			
Armour's Big Crop Superphosphate 0–16–0	Baltimore							.50	16.00	16.00			
Armour's Muriate of Potash 0–0–50	Baltimore							.40	16.00	16.40			
Armour's Muriate of Potash 0–0–50	Baltimore										50.00	51.60	
											50.00	52.00	
Associated Fertilizer Merchants, Inc., Baltimore, Md.													
4–8–7	Baltimore	4.00	3.79	3.40	2.96	.60	.83	.40	8.00	8.80	7.00	7.00	186 A
3–12–6	Baltimore	3.00	2.98	2.55	2.18	.45	.80	1.50	12.00	11.20	6.00	6.61	58 A
2–12–6	Baltimore	2.00	1.99	1.70	1.60	.30	.39	.80	12.00	11.70	6.00	6.20	104 A
2–12–6	Baltimore	2.00	2.09	1.70	1.64	.30	.45	.70	12.00	11.90	6.00	6.13	105 A
2–12–4	Baltimore	2.00	2.04	1.70	1.66	.30	.38	.60	12.00	11.70	6.00	6.20	100 A
2–12–4	Baltimore	2.00	2.15	1.70	1.71	.30	.44	.60	12.00	12.10	4.00	4.74	114 A
2–9–5	Baltimore	2.00	2.19	1.70	1.68	.30	.51	.50	12.00	12.20	4.00	4.44	172 A
2–9–5	Baltimore	2.00	1.99	1.70	1.35	.30	.64	.90	9.00	8.80	5.00	5.24	204 B
0–12–5	Baltimore	2.00	2.01	1.70	1.41	.30	.60	.80	9.00	8.90	5.00	5.50	65 B
Superphosphate 0–16–0	Baltimore							1.10	12.00	12.20	5.00	5.28	
								.90	16.00	15.20			
Baltimore Fertilizer Co., Baltimore, Md.													
Honest 4–8–7	Bel Air	4.00	4.00	3.40	3.31	.60	.69	.70	8.00	8.70	7.00	7.70	263 A
Honest 4–8–5	Bel Air	4.00	3.90	3.40	3.29	.60	.61	.70	8.00	9.50	5.00	6.60	160 A
Honest 4–8–5	Fallston	4.00	3.68	3.40	3.12	.60	.56	.60	8.00	8.80	5.00	7.45	271 A
Honest 2–12–6	Glyndon	2.00	1.97	1.40	1.47	.60	.50	.50	12.00	12.00	6.00	6.40	14 A
Honest 2–12–6	Fallston	2.00	2.11	1.40	1.50	.60	.61	.80	12.00	12.00	6.00	7.06	48 A

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P2O5)			POTASH (K2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Baltimore Fertilizer Co., Balto., Md. (Cont.)													
Honest 2–12–4	Bel Air	2.00	**2.11**	1.40	**1.64**	.60	**.47**	**.90**	12.00	**12.00**	4.00	**5.80**	40 A
Honest 2–12–4	Fallston	2.00	**2.05**	1.40	**1.49**	.60	**.56**	**.70**	12.00	**10.20**	4.00	**5.86**	37 B
Honest 2–9–5	Baltimore	2.00	**1.98**	1.40	**1.35**	.60	**.63**	**.60**	9.00	**8.70**	5.00	**5.44**	21 A
Honest 2–9–5	Glyndon	2.00	**2.12**	1.40	**1.74**	.60	**.38**	**.30**	9.00	**9.60**	5.00	**6.01**	135 B
Honest 2–9–5	Bel Air	2.00	**2.08**	1.40	**1.54**	.60	**.54**	**.80**	9.00	**9.70**	5.00	**5.60**	53 B
Honest 2–9–5	La Plata	2.00	**1.98**	1.40	**1.36**	.60	**.62**	**.40**	9.00	**9.80**	5.00	**5.28**	38 B
Honest 2–8–10	Glyndon	2.00	**1.97**	1.40	**1.40**	.60	**.57**	**.40**	8.00	**9.00**	10.00	**10.50**	109 B
Honest Superphosphate 0–16–0	La Plata							**1.30**	16.00	**16.80**			
The Barrett Co., New York, N. Y.													
Arcadian the American Nitrate of Soda 16–0–0	Baltimore	16.00	**16.20**										
W. J. Barton & Son, Centreville, Md.													
MBW 2–8–10	Baltimore	2.00	**1.92**	1.20	**1.21**	.80	**.71**	**.60**	8.00	**8.20**	10.00	**10.02**	56 A
The Baugh & Sons Co., Baltimore, Md.													
Baugh's Balanced Plant Food 4–12–4	Baltimore	4.00	**3.97**	3.10	**3.27**	.90	**.70**	**1.30**	12.00	**12.50**	4.00	**4.12**	239 A
Baugh's High Grade Fish Brand 3–12–6	Sykesville	3.00	**3.09**	1.40	**1.52**	1.60	**.57**	**1.60**	12.00	**12.00**	6.00	**6.50**	25 A
Baugh's Double Eagle Phosphate 2–12–6	Baltimore	2.00	**1.97**	1.20	**1.10**	.80	**.87**	**.70**	12.00	**12.50**	6.00	**6.40**	30 B
Baugh's Double Eagle Phosphate 2–12–6	Linwood	2.00	**1.97**	1.20	**1.12**	.80	**.85**	**1.60**	12.00	**12.10**	6.00	**6.40**	25 A
Baugh's Double Eagle Phosphate 2–12–6	Baltimore	2.00	**2.04**	1.20	**1.15**	.80	**.89**	**1.40**	12.00	**12.10**	6.00	**6.38**	43 A
Baugh's Half & Half Mixture with Potash 2–12–6	Linwood	2.00	**2.08**	0.00	**.31**	2.00	**1.77**	**4.00**	12.00	**12.10**	6.00	**6.94**	43 B
Baugh's 2–12–4	Baltimore	2.00	**1.99**	1.20	**1.19**	.80	**.80**	**2.30**	12.00	**11.80**	4.00	**4.19**	25 B
Baugh's 2–12–4	Baltimore	2.00	**2.04**	1.20	**1.17**	.80	**.87**	**2.50**	12.00	**11.67**	4.00	**4.00**	53 A
Baugh's Commercial Crop Compound 2–8–10	Linwood	2.00	**1.99**	1.40	**1.45**	.60	**.54**	**.60**	8.00	**8.30**	10.00	**10.40**	52 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	**1.99**	1.40	**1.43**	.60	**.56**	**.80**	9.00	**9.30**	5.00	**5.28**	36 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	**2.02**	1.40	**1.46**	.60	**.56**	**.70**	9.00	**9.40**	5.00	**5.20**	48 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	**2.13**	1.40	**1.50**	.60	**.63**	**.90**	9.00	**9.00**	5.00	**4.98**	29 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	**1.99**	1.40	**1.45**	.60	**.54**	**1.10**	9.00	**9.10**	5.00	**5.04**	8 B

Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	2.02	1.40	1.46	.60	.56	.70	9.00	9.40	5.00	5.20	48 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	2.13	1.40	1.50	.60	.63	.90	9.00	9.00	5.00	4.98	29 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	1.99	1.40	1.45	.60	.54	1.10	9.00	9.10	5.00	5.04	8 B
Baugh's 2–8–10 with Potash	Baltimore	2.00	2.06	1.20	1.38	.80	.68	1.00	8.00	8.10	10.00	10.40	52 A
Baugh's Raw Bone Meal, Warranted Pure 3.70–T.P.A. 20.50–0	Baltimore	3.70	3.89						*20.50	*19.60			
Baugh's Pure Steamed Bone Meal 2.47–T.P.A. 23–0	Baltimore	2.47	2.61						*23.00	*27.10			
Baugh's Phosphate & Potash Mix. 0–14–6	Baltimore							.90	14.00	14.00	6.00	6.60	
Baugh's Phosphate & Potash Mix. 0–10–10	Baltimore							.90	10.00	10.00	10.00	10.70	
Baugh's Phosphate & Potash Mix. 0–10–10	Baltimore							.80	10.00	10.30	10.00	10.00	
†Baugh's Phosphate & Potash Mix. 0–12–5	Baltimore							.90	12.00	12.20	5.00	5.90	
Baugh's Phosphate & Potash Mix. 0–12–5	Linwood							1.00	12.00	12.30	5.00	5.42	
Baugh's Phosphate & Potash Mix. 0–12–5	Baltimore							.90	12.00	12.00	5.00	5.44	
Baughphos, The Ideal Superphosphate 0–20–0	Baltimore							.20	20.00	20.30			
Baughphos, The Ideal Superphosphate 0–16–0	Baltimore							.30	16.00	16.80			
Baughphos, The Ideal Superphosphate 0–16–0	Baltimore							.20	16.00	16.60			
Baughphos, The Ideal Superphosphate 0–16–0	Baltimore							.40	16.00	17.10			
Baugh's Lime & Phosphate 0–16–0	Baltimore							1.20	16.00	16.50			
Baugh's Lime & Phosphate 0–16–0	Baltimore							1.30	16.00	16.60	†30.00	†30.10	
F. W. Bolgiano & Co., Inc., Washington, D.C.													
Gold Tag 6–6–5		6.00	6.00	3.60	3.50	2.40	2.50	.60	6.00	6.40	5.00	5.28	51 A
Gold Tag 4–8–5		4.00	4.21	3.00	2.77	1.00	1.44	.50	8.00	8.50	5.00	5.20	196 B
Gold Tag 2–12–6		2.00	2.06	1.50	1.22	.50	.84	.90	12.00	12.00	6.00	6.08	151 B
Gold Tag 2–12–4		2.00	2.05	1.50	1.26	.50	.79	.80	12.00	12.00	4.00	4.42	142 B
Gold Tag 2–9–5		2.00	2.13	1.50	1.33	.50	.80	.90	9.00	9.00	5.00	5.14	239 B
Gold Tag Superphosphate 0–16–0								1.30	16.00	16.70			
Herbert Bryant Inc., Alexandria, Va.													
Pure Fish Brand Compound 3–10–5	Wash. Grove	3.00	3.08	.30	.42	2.70	2.66	1.70	10.00	11.00	5.00	5.20	68 A
3–8–5	Norbeck	3.00	3.02	1.80	1.98	1.20	1.04	.80	8.00	8.10	5.00	5.35	31 A
Chesapeake Fish Brand 2–12–6	Wash. Grove	2.00	2.11	.20	.21	1.80	1.90	1.80	12.00	12.20	6.00	6.32	6 A
2–12–4	Wash. Grove	2.00	2.16	1.00	1.18	1.00	.98	1.80	12.00	9.90	4.00	4.52	68 A
2–9–5	Wash. Grove	2.00	1.99	1.00	1.07	1.00	.92	.80	9.00	8.60	5.00	5.38	4 A
2–9–2	Wash. Grove	2.00	2.02	1.00	1.05	1.00	.97	1.50	9.00	9.20	2.00	2.60	16 B
0–12–5	Wash. Grove							1.00	12.00	12.10	5.00	5.24	
High Grade Superphosphate 0–20–0	Wash. Grove							.60	20.00	22.00			

* Total Phosphoric Acid. † Calcium Oxide.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P2O5)			POTASH (K2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Herbert Bryant Inc., Alexandria, Va. (Cont.)													
High Grade Superphosphate 0–16–0	Wash. Grove							.20	16.00	16.50			
Phosphate & Tobacco 0–16–0	Wash. Grove							1.00	16.00	17.00			
Central Chemical Corp. of Maryland, Hagerstown, Md.													
Farmrite Super Special 4–16–4	Baltimore	4.00	3.99	3.25	3.40	.75	.59	.90	16.00	16.50	4.00	4.74	277 A
Farmrite Farmers Friend 4–12–4	Baltimore	4.00	3.99	3.25	3.34	.75	.65	.60	12.00	12.00	4.00	4.20	239 A
Farmrite Golden Grain 3–12–6	Baltimore	3.00	2.98	2.25	2.39	.75	.59	.80	12.00	12.00	6.00	6.42	89 A
Farmrite Fertilizer 2–12–6	Elkton	2.00	1.99	1.40	1.29	.60	.70	1.00	12.00	12.00	6.00	6.60	19 A
Famous Old Fish Brand 2–12–6	Darlington	2.00	1.87	.80	.84	1.20	1.03	1.10	12.00	12.00	6.00	6.50	52 B
Farmrite Fertilizer 2–12–6	Baltimore	2.00	1.99	1.40	1.37	.60	.62	.40	12.00	12.40	6.00	6.30	108 B
Famous Old Fish Brand 2–12–6	Baltimore	2.00	1.99	.80	.80	1.20	1.19	1.10	12.00	12.00	6.00	6.45	48 B
Farmrite Grain Food 2–12–4	Frederick	2.00	2.02	1.40	1.26	.60	.76	.90	12.00	12.30	4.00	4.19	203 B
Farmrite Grain Food 2–12–4	Cardiff	2.00	1.98	1.40	1.31	.60	.67	1.00	12.00	12.00	4.00	4.12	89 A
Farmrite Grain Food 2–12–4	Baltimore	2.00	2.02	1.40	1.38	.60	.64	.30	12.00	12.80	4.00	4.19	89 B
Farmrite Excelsior 2–9–5	Frederick	2.00	1.98	1.40	1.36	.60	.62	.70	9.00	9.20	5.00	5.36	409 B
Farmrite Excelsior 2–9–5	Elkton	2.00	1.99	1.40	1.32	.60	.67	.60	9.00	10.30	5.00	4.99	292 B
Farmrite Excelsior 2–9–5	Baltimore	2.00	1.97	1.40	1.33	.60	.64	.60	9.00	9.10	5.00	5.14	323 B
Farmrite Imperial 2–8–10	Street	2.00	1.92	1.40	1.26	.60	.66	.60	8.00	8.10	10.00	10.40	315 B
Farmrite Crown Jewel 1–10–5	Frederick	1.00	1.04	.40	.49	.60	.55	.80	10.00	9.70	5.00	5.30	500 B
Farmrite Potash Special 0–12–5	Frederick							.80	12.00	12.70	5.00	5.04	
Farmrite Superphosphate 0–20–0	Cardiff							1.10	20.00	18.80			
Farmrite Superphosphate 0–16–0	Baltimore							.70	16.00	16.40			
Farmrite Carbo Lime Phosphate 0–16–0	Hancock							1.10	16.00	16.00	‡30.00	‡31.30	
Chewsville Cooperative Association, Inc., Chewsville, Md.													
Crop Producer 3–12–6	Chewsville	3.00	2.99	2.00	1.92	1.00	1.07	.80	12.00	12.90	6.00	6.29	90 A
Golden Harvest 2–9–5	Chewsville	2.00	2.11	1.00	1.21	1.00	.90	1.00	9.00	10.00	5.00	5.40	407 B
Phosphate & Potash 0–12–5	Chewsville							.60	12.00	13.80	5.00	5.36	
Superphosphate 0–16–0	Chewsville							.40	16.00	20.30			
Chilean Nitrate Sales Corp., New York, N.Y.													

Chilean Nitrate Sales Corp., New York, N.Y.													
Champion Brand Chilean Nitrate of Soda 16–0–0	Baltimore	16.00	**16.24**										
Clark & Owings, Ellicott City, Md.													
*Mixture "C" 3–10–5	Ellicott City	3.00	**3.09**	1.50	**1.59**	1.50	**1.50**	**3.20**	10.00	**10.10**	5.00	**6.83**	100 A
*Mixture "D" 2–9–5	Ellicott City	2.00	**2.01**	1.00	**1.24**	1.00	.77	**1.10**	9.00	**9.90**	5.00	**5.04**	53 A
Mixture "D" 2–9–5	Baltimore	2.00	**1.98**	1.00	**1.17**	1.00	.81	**1.40**	9.00	**10.00**	5.00	**5.00**	71 A
The Davison Chemical Corp., Baltimore, Md.													
Davco Granulated Fertilizer 4–12–4	Baltimore	4.00	**4.09**	3.86	**3.97**	.14	.12	**.70**	12.00	**12.40**	4.00	**4.34**	56 A
Davco Granulated Fertilizer 3–12–6	Baltimore	3.00	**3.09**	2.90	**3.03**	.10	.06	**.70**	12.00	**12.30**	6.00	**6.44**	60 B
Davco Granulated Fertilizer 2–12–6	Baltimore	2.00	**2.11**	2.00	**2.06**		.05	**.70**	12.00	**12.10**	6.00	**6.75**	235 B
Davco Granulated Fertilizer 2–12–4	Baltimore	2.00	**2.20**	2.00	**2.12**		.08	**.80**	12.00	**13.10**	4.00	**4.36**	208 B
Davco Granulated Fertilizer 2–9–5	Baltimore	2.00	**1.99**	2.00	**1.98**		.01	**.40**	9.00	**9.60**	5.00	**5.43**	548 B
Davco Granulated Fertilizer 2–8–10	Baltimore	2.00	**2.02**	2.00	**1.94**		.08	**.50**	8.00	**8.20**	10.00	**10.62**	424 B
Davco Granulated Fertilizer 0–14–6	Baltimore							**.70**	14.00	**14.40**	6.00	**6.83**	
Davco Granulated Fertilizer 0–10–10	Baltimore							**.60**	10.00	**10.10**	10.00	**11.18**	
Davco Granulated Fertilizer 0–12–5	Baltimore							**.70**	12.00	**12.20**	5.00	**5.82**	
Davco Granulated Superphosphate 0–20–0	Baltimore							**1.00**	20.00	**20.90**			
Devilbiss Bros., New Windsor, Md.													
2–12–6	New Windsor	2.00	**2.22**	1.80	**2.04**	.20	.18	**.50**	12.00	**12.00**	6.00	**7.00**	83 A
Butcher House 2–9–5	New Windsor	2.00	**2.13**	1.60	**1.94**	.40	.19	**.70**	9.00	**10.80**	5.00	**6.50**	6 A
Wheat Grower 1–10–5	New Windsor	1.00	**1.35**	.80	**1.07**	.20	.28	**.70**	10.00	**11.50**	5.00	**6.21**	102 B
Super Phosphate 0–18–0	New Windsor							**.20**	18.00	**19.90**			
Dorchester Fertilizer Co., Cambridge, Md.													
Imperial 3–12–6	Cambridge	3.00	**3.03**	1.80	**2.04**	1.20	.99	**.60**	12.00	**12.20**	6.00	**6.05**	5 A
Dorco Royal 3–8–10	Cambridge	3.00	**2.98**	2.70	**2.50**	.30	.48	**.60**	8.00	**8.10**	10.00	**10.08**	117 B
Merit 2–12–6	Cambridge	2.00	**1.82**	1.90	**1.34**	.10	.49	**1.10**	12.00	**12.00**	6.00	**6.50**	94 B
Dorco Winner 2–10–10	Cambridge	2.00	**2.05**	1.50	**1.51**	.50	.54	**.80**	10.00	**10.00**	10.00	**10.48**	87 B
Diamond 2–12–4	Cambridge	2.00	**2.15**	1.90	**1.71**	.10	.44	**1.00**	12.00	**12.40**	4.00	**4.44**	105 B
Producer 2–9–5	Cambridge	2.00	**2.06**	1.90	**1.92**	.10	.14	**.50**	9.00	**9.20**	5.00	**5.28**	122 B
Favorite 2–8–10	Cambridge	2.00	**1.99**	1.90	**1.91**	.10	.08	**.50**	8.00	**8.20**	10.00	**10.40**	35 B
Leader 0–14–6	Cabmridge							**1.00**	14.00	**14.10**	6.00	**6.20**	
Superior 0–12–12	Cambridge							**.90**	12.00	**12.00**	12.00	**12.40**	
Standard 0–10–10	Cambridge							**.50**	10.00	**10.00**	10.00	**10.40**	
Harvest 0–12–5	Cambridge							**.50**	12.00	**12.20**	5.00	**5.38**	
Superphosphate 0–16–0	Cambridge							**1.50**	16.00	**16.10**			
Egypt Poultry Farm, Owings Mills, Md.													
Egypt Grower 2.70–T.P.A. 1.60–1.28ian	Owings Mills	2.70	**2.69**						†1.60	†3.00	1.28	**1.63**	

* Not Licensed at time of sampling. † Total Phosphoric Acid. ‡ Calcium Oxide.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P2O5)			POTASH (K2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Farmers Cooperative Association, Inc., Frederick, Md.													
Sure Crop 2–12–6	Frederick	2.00	2.02	1.60	1.40	.40	.62	.90	12.00	12.00	6.00	6.70	83 B
Wheat & Grass Special 2–9–5	Frederick	2.00	2.19	1.60	1.12	.40	1.07	1.00	9.00	9.60	5.00	7.00	264 B
Rock & Potash Special 0–12–5	Frederick							1.00	12.00	9.70	5.00	8.96	
Superphosphate 0–16–0	Frederick							1.60	16.00	16.60			
Farmers Fertilizer & Feed Co., Westminster, Md.													
Trucker's Delight 4–8–8	Westminster	4.00	4.03	3.50	3.00	.50	1.03	.40	8.00	8.50	8.00	8.24	85 B
Trucker's Delight 4–8–8	Westminster	4.00	3.62	3.50	3.15	.50	.47	.50	8.00	8.70	8.00	8.08	7 B
Superior 2–12–6	Westminster	2.00	2.08	1.40	1.43	.60	.65	1.90	12.00	11.60	6.00	6.40	22 B
Superior 2–12–6	Westminster	2.00	2.01	1.40	1.45	.60	.56	1.70	12.00	11.30	6.00	6.60	10 B
High Grade 2–9–5	Westminster	2.00	2.13	1.40	1.40	.60	.73	.80	9.00	9.20	5.00	5.38	271 B
Farmers Potash Special 2–8–10	Westminster	2.00	2.08	1.40	1.49	.60	.59	.70	8.00	8.60	10.00	10.00	156 B
Superphosphate and Potash 0–12–5	Westminster							.70	12.00	12.30	5.00	5.44	
Superphosphate 0–16–0	Westminster							1.10	16.00	16.00			
The Farmers & Planters Co., Salisbury, Md.													
F. & P. Brand 2–8–10	Salisbury	2.00	2.08	1.60	1.49	.40	.59	.90	8.00	8.30	10.00	10.32	221 B
Griffith & Boyd Co., Baltimore, Md.													
Griffith & Boyd's Truckers Special 4–8–5	Baltimore	4.00	3.90	3.20	3.02	.80	.88	.40	8.00	8.10	5.00	5.00	260 A
Griffith & Boyd's Reliable Crop Grower 2–12–4	Baltimore	2.00	1.99	1.40	1.32	.60	.67	1.10	12.00	12.10	4.00	4.40	22 A
Griffith & Boyd's Special Guano 2–9–5	Fallston	2.00	2.01	1.40	1.31	.60	.70	.60	9.00	9.00	5.00	5.28	59 A
Griffith & Boyd's Special Guano 2–9–5	Rising Sun	2.00	1.92	1.40	1.29	.60	.63	.70	9.00	8.60	5.00	5.28	59 A
Griffith & Boyd's Special Guano 2–9–5	Baltimore	2.00	1.98	1.40	1.47	.60	.51	.60	9.00	8.30	5.00	5.80	48 A
Pure Fine Ground Bone Meal 3.70–T.P.A. 20–0	Fallston	3.70	3.89						*20.00	*20.00			
High Grade Superphosphate 0–16–0	Fallston							1.00	16.00	17.20			

Griffith & Turner Co., Baltimore, Md.													
Griffith & Turner Co's Grass Fertilizer 9–5–2	Baltimore	9.00	8.44	7.20	7.36	1.80	1.08	.40	5.00	5.50	2.00	2.40	662 A
Griffith & Turner Co's Garden Fertilizer 4–8–7	Baltimore	4.00	3.99	3.20	3.07	.80	.92	.50	8.00	7.70	7.00	7.02	256 A
Griffith & Turner Co's Rose Fertilizer 3–12–6	Baltimore	3.00	2.90	2.10	1.97	.90	.93	.80	12.00	11.60	6.00	6.13	77 A
Griffith & Turner Co's Soft Ground Bone 3–T.P.A. 14–0	Baltimore	3.00	3.19						*14.00	*14.70			
Hampstead Fertilizer Co., Hampstead, Md.													
Hampstead's 2–12–6	Hampstead	2.00	1.98	1.50	1.52	.50	.46	.50	12.00	12.20	6.00	6.60	105 A
Hampstead's 2–9–5	Hampstead	2.00	2.02	1.50	1.56	.50	.46	.40	9.00	9.60	5.00	5.50	247 B
Hampstead's Superphosphate 0–16–0	Hampstead							.70	16.00	17.40			
A. H. Hoffman, Inc., Landisville, Pa.													
Hoffman's Plant Food 5–8–6	Baltimore	5.00	5.10	3.50	3.47	1.50	1.63	1.70	8.00	13.20	6.00	6.05	60 A
Hoffman's Bone Meal 3.70–T.P.A. 20–0	Baltimore	3.70	3.86						*20.00	*24.60			
Hoffman's Cow Manure (Dehydrated) 2–T.P.A. 2–2	Baltimore	2.00	1.97						*2.00	*1.50	2.00	2.25	
Hoffman's Sheep Manure (Kiln-Dried) 1.85–T.P.A. 1–2	Baltimore	1.85	1.92						*1.00	*1.50	2.00	2.00	
The Maryland Milling & Supply Co., Sykesville, Md.													
Our Special 3–12–6	Sykesville	3.00	3.03	2.75	2.89	.25	.14	.60	12.00	12.60	6.00	6.29	195 A
Gambrill's Wheat and Grass Grower 2–12–6	Sykesville	2.00	2.15	1.75	2.04	.25	.11	.80	12.00	12.30	6.00	6.40	40 A
Newman's Favorite 2–9–5	Sykesville	2.00	1.92	1.50	1.51	.50	.41	.50	9.00	9.50	5.00	5.42	207 B
Dietrich's Favorite 1–10–5	Sykesville	1.00	.98	.75	.74	25	.24	.70	10.00	10.50	5.00	5.38	205 B
Phosphate and Potash 0–12–5	Sykesville							2.30	12.00	11.50	5.00	5.16	
Maryland Tobacco Growers' Association, Baltimore, Md.													
Md. Association Brand 2–9–5	Baltimore	2.00	2.09	1.70	1.54	.30	.55	.30	9.00	9.50	5.00	5.28	54 A
Md. Association Brand 2–9–5	Baltimore	2.00	2.01	1.70	1.57	.30	.44	.50	9.00	9.50	5.00	5.20	26 A
Md. Association Brand 2–9–5	Baltimore	2.00	2.06	1.70	1.45	.30	.61	.80	9.00	9.00	5.00	5.42	203 B
Md. Association Brand 2–9–5	Baltimore	2.00	2.05	1.70	1.26	.30	.79	1.00	9.00	8.90	5.00	5.30	179 B
Md. Assoc. Brand Superphosphate 0–20–0	Baltimore							1.00	20.00	19.70			
Massey & Wilmer, Inc., Chestertown, Md.													
2–12–6	Chestertown	2.00	2.16	1.00	1.22	1.00	.94	1.30	12.00	11.40	6.00	6.46	24 A
2–12–4	Chestertown	2.00	1.87	1.00	1.01	1.00	.86	.80	12.00	12.00	4.00	6.21	40 A
Trustworthy 2–9–5	Chestertown	2.00	1.83	1.00	.90	1.00	.93	1.10	9.00	11.50	5.00	4.12	34 B

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P2O5)			POTASH (K2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Massey & Wilmer, Inc., Chestertown, Md. (Ct)													
0–10–10	Chestertown							1.30	10.00	11.70	10.00	8.92	
0–12–5	Chestertown							1.20	12.00	13.40	5.00	4.97	
Medford Fertilizer Works, Medford, Md.													
2–12–6	Medford	2.00	2.12	1.50	1.64	.50	.48	.30	12.00	12.10	6.00	6.90	5 A
2–9–5	Medford	2.00	2.25	1.50	1.78	.50	.47	.20	9.00	9.90	5.00	5.30	6 A
2–8–10	Medford	2.00	2.01	1.50	1.64	.50	.37	.30	8.00	8.60	10.00	10.49	209 B
1–10–5	Medford	1.00	1.24	.75	.84	.25	.40	.30	10.00	10.00	5.00	5.20	167 B
0–12–5	Medford							.30	12.00	13.80	5.00	5.22	
The Frederick Mehring Fertilizer Works, Inc., Keymar, Md.													
Mt. Airy Wheat and Corn Special 3–12–6	Mt. Airy	3.00	3.12	1.50	1.66	1.50	1.46	2.00	12.00	12.10	6.00	6.21	87 A
Mehring's Indian Chief 2–12–6	Keymar	2.00	2.05	1.60	1.49	.40	.56	.80	12.00	12.20	6.00	6.13	104 B
Open Formula 2–12–6	Mt. Airy	2.00	1.99	1.60	1.76	.40	.23	.40	12.00	11.40	6.00	8.30	68 B
Mehring's Wheat and Grass 2–12–4	Mt. Airy	2.00	1.90	1.60	1.66	.40	.24	.60	12.00	12.50	4.00	4.90	115 B
Open Formula 2–9–5	Keymar	2.00	2.09	1.60	1.73	.40	.36	.50	9.00	9.10	5.00	5.20	201 B
Mehring's Mammouth Truck Grower 2–9–5	Keymar	2.00	2.16	1.60	1.47	.40	.69	.50	9.00	9.00	5.00	5.44	129 B
Mehring's Potash Mixture 0–14–6	Mt. Airy							.80	14.00	13.60	6.00	6.46	
Mehring's Superphosphate 0–16–0	Mt. Airy							1.30	16.00	16.70			
Miller Chemical & Fertilizer Corp., Baltimore, Md.													
Fish Brand Super Quality 2–12–6	Baltimore	2.00	2.05	.50	.95	1.50	1.10	2.30	12.00	11.50	6.00	6.21	7 A
Harvest Queen 2–9–5	Baltimore	2.00	1.99	1.20	1.22	.80	.77	.60	9.00	9.10	5.00	5.40	38 A
Rich Yield 2–8–10	Baltimore	2.00	1.97	1.20	1.31	.80	.66	.70	8.00	8.30	10.00	10.32	290 B
Rich Yield 0–10–10	Baltimore							1.10	10.00	9.40	10.00	10.44	
Superphosphate 0–20–0	Baltimore							.20	20.00	20.50			
Superphosphate 0–16–0	Baltimore							.60	16.00	16.20			
North American Cement Corp., New York, N. Y.													
Superphosphate 0–9–5	Syracuse										5.00	5.00	

North American Cement Corp., New York, N. Y.													
Security Potash-Lime 0–0–5	Security										5.00	5.00	
Pacific Manure & Fertilizer Co., San Francisco, Calif.													
Groz-it Brand Pulverized Sheep Manure 1.25–T.P.A. 1–2	Baltimore	1.25	1.68						*1.00	*1.10	2.00	3.80	
The Peerless Fertilizer Co., Chestertown, Md.													
†2–12–6	Salisbury	2.00	2.08	1.75	1.57	.25	.51	1.00	12.00	12.50	6.00	6.00	78 B
Our Peerless 2–9–5	Chestertown	2.00	1.97	1.75	1.57	.25	.40	.60	9.00	9.30	5.00	5.12	117 A
†0–12–5 Fertilizer	Chestertown							.50	12.00	12.00	5.00	5.60	
N. V. Potash Export My., Inc., of Amsterdam, Holland, Baltimore, Md.													
Muriate of Potash 0–0–50	Woodsboro										50.00	50.40	
Warner W. Price, Smyrna, Del.													
Ralph's Improved Wheat Formula 2–12–6		2.00	2.12	1.25	1.24	.75	.88	.80	12.00	12.40	6.00	6.21	61 B
L. & P. 2–9–5		2.00	2.08	1.25	1.41	.75	.67	.60	9.00	9.70	5.00	5.40	259 B
0–10–10								.30	10.00	10.50	10.00	10.08	
0–12–5								.70	12.00	12.30	5.00	5.20	
Superphosphate 0–16–0								.60	16.00	16.80			
The Ramsburg Fertilizer Co., Frederick, Md.													
Special Fish Brand Fertilizer 2–12–6	Frederick	2.00	2.08	1.10	1.06	.90	1.02	2.40	12.00	11.30	6.00	6.36	89 B
Royal Crop Grower 2–12–6	Frederick	2.00	2.04	1.35	1.38	.65	.66	1.50	12.00	12.10	6.00	6.60	95 B
Excelsior Plant Food 2–12–4	Frederick	2.00	2.02	1.35	1.41	.65	.61	2.70	12.00	11.70	4.00	4.19	72 B
Old Virginia Compound 2–9–5	Frederick	2.00	1.99	1.35	1.40	.65	.59	1.60	9.00	8.90	5.00	5.50	334 B
Ammoniated Phosphate 1–10–5	Frederick	1.00	1.07	.50	.65	.50	.42	2.10	10.00	10.10	5.00	5.41	383 B
Special Rock & Potash 0–12–5	Frederick							.80	12.00	13.20	5.00	5.12	
Super Phosphate 0–16–0	Frederick							.70	16.00	16.90			
The Reindollar Co., Taneytown, Md.													
Grain Grower 2–12–6	Taneytown	2.00	2.13	1.40	1.19	.60	.94	.60	12.00	12.40	6.00	6.13	57 B
Crop Grower 2–9–5	Taneytown	2.00	2.05	1.50	1.44	.50	.61	.60	9.00	10.00	5.00	5.24	40 B
Rock and Potash 0–12–5	Taneytown							.90	12.00	13.80	5.00	5.28	
Superphosphate 0–16–0	Taneytown							.30	16.00	16.50			
E. Miller Richardson & Co., Baltimore, Md.													
Richardson's Rose & Plant Food 3–T.P.A. 6–8	Baltimore	3.00	3.10		.06	3.00	3.04		*6.00	*6.70	8.00	8.24	

* Total Phosphoric Acid. † Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P2O5)			POTASH (K2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
F. S. Royster Guano Co., Baltimore, Md.													
Royster Curlew Guano 3–12–6	Baltimore	3.00	**3.02**	2.40	**2.27**	.60	**.75**	**1.10**	12.00	**11.70**	6.00	**6.05**	71 B
Royster Master Grain Guano 2–12–6	Baltimore	2.00	**1.97**	1.60	**1.36**	.40	**.61**	**1.00**	12.00	**12.00**	6.00	**6.60**	72 B
Royster Master Grain Guano 2–12–6	Baltimore	2.00	**1.99**	1.60	**1.47**	.40	**.52**	**.90**	12.00	**12.50**	6.00	**6.29**	34 B
Royster Gem Grain Grower 2–12–4	Baltimore	2.00	**2.02**	1.60	**1.40**	.40	**.62**	**1.10**	12.00	**12.70**	4.00	**4.19**	57 B
Royster Big Bully Guano 2–9–5	Baltimore	2.00	**2.08**	1.60	**1.47**	.40	**.61**	**1.10**	9.00	**9.50**	5.00	**5.28**	45 B
Royster Big Bully Guano 2–9–5	Baltimore	2.00	**2.05**	1.60	**1.45**	.40	**.60**	**.20**	9.00	**10.90**	5.00	**5.24**	71 B
Royster Banner Guano 2–8–10	Baltimore	2.00	**1.97**	1.60	**1.41**	.40	**.56**	**.70**	8.00	**8.70**	10.00	**10.46**	120 B
Royster Banner Guano 2–8–10	Baltimore	2.00	**1.99**	1.60	**1.37**	.40	**.62**	**.60**	8.00	**8.20**	10.00	**10.44**	102 B
Royster Surety Guano 1–10–5	Baltimore	1.00	**1.33**	.60	**.77**	.40	**.56**	**.60**	10.00	**10.40**	5.00	**5.16**	26 B
Royster Fine Ground Bone Meal 2.47–T.P.A. 22.90–0	Baltimore	2.47	**2.39**						*22.90	*27.90			
†Royster Sheep Manure 1.23–T.P.A. 1–2	Mt. Lake Park	1.23	**1.73**						*1.00	***1.10**	2.00	**3.50**	
Royster Phosphate and Potash 0–14–6	Baltimore							**.70**	14.00	**14.20**	6.00	**6.30**	
Royster Phosphate and Potash 0–10–10	Baltimore							**.60**	10.00	**10.70**	10.00	**10.24**	
Royster Phosphate and Potash 0–10–10	Baltimore							**.70**	10.00	**11.10**	10.00	**10.02**	
Royster Phosphate and Potash 0–12–5	Baltimore							**.60**	12.00	**12.20**	5.00	**5.44**	
Royster Phosphate and Potash 0–12–5	Baltimore							**.70**	12.00	**12.80**	5.00	**4.99**	
Royster Superphosphate 0–20–0	Baltimore							**1.10**	20.00	**20.10**			
Royster Superphosphate 0–16–0	Baltimore							**.80**	16.00	**16.20**			
Royster Superphosphate 0–16–0	Baltimore							**.70**	16.00	**15.60**			
Wm. G. Scarlett & Co., Baltimore, Md.													
Greenway Brand Domestic Sheep Manure 1.85–T.P.A. 1–1.75	Reisterstown	1.85	**1.98**						*1.00	***1.40**	1.75	**2.80**	
The Wm Schluderberg-T. J. Kurdle Co., Baltimore, Md.													
Esskay Plant Food 5–9–4	Baltimore	5.00	**5.87**		**.74**	5.00	**5.13**	**4.10**	9.00	**9.20**	4.00	**4.26**	806 A
Esskay Raw Bone Meal 3.50–T.P.A. 25–0	Baltimore	3.50	**3.86**						*25.00	*25.00			

R. H. Slingluff Fertilizer Co., Baltimore, Md.													
Slingluff's 3-12-6	Baltimore	3.00	2.96	2.55	2.46	.45	.50	1.10	12.00	12.10	6.00	6.56	187 A
Slingluff's Champion Phosphate 2–9–5	Faulkner	2.00	2.08	1.70	1.61	.30	.47	.50	9.00	9.00	5.00	5.30	28 A
Superphosphate 0–16–0	Faulkner							1.10	16.00	16.20			
Soil Service, Rehoboth, Del.													
Soil Service 0–10–10	Denton							.20	10.00	10.90	10.00	8.32	
Southern States Cooperative, Inc., Richmond, Va.													
Southern States Cooperative Quality Open Formula Baltimore 4–12–4	College Park	4.00	4.00	2.40	2.67	1.60	1.33	1.50	12.00	11.90	4.00	4.40	55 A
Southern States Cooperative Quality Open Formula Baltimore 4–12–4	Frederick	4.00	3.99	2.40	2.27	1.60	1.72	.90	12.00	11.90	4.00	4.56	57 A
Southern States Cooperative Quality Open Formula Baltimore 4–12–4	Breathedsville	4.00	3.82					1.00	12.00	11.80	4.00	4.34	
Southern States Cooperative Quality Big Yield 3–12–6	Baltimore	3.00	2.75	2.55	2.18	.45	.57	1.40	12.00	11.90	6.00	6.76	108 A
Southern States Cooperative Quality Big Yield 3–12–6	Baltimore	3.00	2.60	2.55	1.99	.45	.61	1.30	12.00	12.30	6.00	6.60	200 A
Southern States Cooperative Quality Big Yield 3–12–6	Owings Mills	3.00	2.86	2.55	1.60	.45	1.26	.90	12.00	11.80	6.00	6.32	83 B
Southern States Cooperative Quality Open Formula 3–12–6	Baltimore	3.00	3.02	1.80	1.68	1.20	1.34	1.10	12.00	11.50	6.00	6.54	111 B
Southern States Cooperative Quality Open Formula 3–12–6	Baltimore	3.00	3.00	1.80	1.68	1.20	1.32	1.20	12.00	11.50	6.00	6.72	89 B
Southern States Cooperative Quality Open Forumla 3–12–6	Baltimore	3.00	3.06	1.80	1.77	1.20	1.29	1.30	12.00	11.30	6.00	6.40	74 B
Southern States Cooperative Quality Open Formula 3–12–6	Frederick	3.00	2.98	1.80	1.74	1.20	1.24	1.10	12.00	11.70	6.00	6.62	113 B
Southern States Cooperative Quality 2–12–6	Sykesville	2.00	2.02					.70	12.00	11.30	6.00	6.02	
Southern States Cooperative Quality Open Formula 2–12–6	Baltimore	2.00	2.01	1.20	1.17	.80	.84	.80	12.00	12.10	6.00	6.50	165 B
Southern States Cooperative Quality Open Formula 2–12–6	Baltimore	2.00	2.02	1.20	1.19	.80	.83	.70	12.00	12.00	6.00	6.90	23 B
Southern States Cooperative Quality Open Formula 2–12–6	Baltimore	2.00	2.04	1.20	1.19	.80	.85	.70	12.00	12.20	6.00	6.42	127 B
Southern States Cooperative Quality Open Formula 2–12–6	Baltimore	2.00	2.02	1.20	1.32	.80	.70	.90	12.00	11.80	6.00	7.24	173 B
Southern States Cooperative Quality 2–12–6	Reisterstown	2.00	2.01					.60	12.00	11.20	6.00	6.00	
Southern States Cooperative Quality Open Formula 2–12–6	Hagerstown	2.00	2.08	1.20	1.26	.80	.82	.90	12.00	11.80	6.00	6.83	151 B

* Total Phosphoric Acid.

† Not licensed at time of sampling.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Southern States Cooperative, Inc. (Cont.)													
Southern States Cooperative Quality Big Yield 2–12–6	Baltimore	2.00	2.02	1.70	1.60	.30	.42	.70	12.00	11.80	6.00	6.44	72 A
Southern States Cooperative Quality Big Yield 2–12–6	Baltimore	2.00	2.02	1.70	1.63	.30	.39	.70	12.00	11.80	6.00	6.05	142 A
Southern States Cooperative Quality Big Yield 2–12–6	Baltimore	2.00	2.05	1.70	1.66	.30	.39	.70	12.00	11.80	6.00	6.40	143 A
Southern States Cooperative Quality Big Yield 2–12–6	Baltimore	2.00	2.13	1.70	1.61	.30	.52	.70	12.00	11.80	6.00	6.17	66 A
Southern States Cooperative Quality Big Yield 2–12–6	Breathedsville	2.00	2.05	.....	.....	.....	.....	.60	12.00	11.60	6.00	6.32	.....
Southern States Cooperative Quality Big Yield 2–12–6	Catonsville	2.00	2.06	.....	.....	.....	.....	.70	12.00	12.00	6.00	6.21	.....
Southern States Cooperative Quality 2–12–4	Owings Mills	2.00	2.04	.....	.....	.....	.....	.60	12.00	11.90	4.00	4.34	.....
Southern States Cooperative Quality Big Yield 2–12–4	Baltimore	2.00	2.16	1.70	1.71	.30	.45	.50	12.00	12.30	4.00	4.30	111 A
Southern States Cooperative Quality Open Formula 2–12–4	Baltimore	2.00	1.98	1.20	1.18	.80	.80	.90	12.00	11.70	4.00	4.26	274 B
Southern States Cooperative Quality Open Formula 2–9–5	Baltimore	2.00	2.02	1.20	1.29	.80	.73	.70	9.00	9.00	5.00	5.12	498 B
Southern States Cooperative Quality Open Formula 2–9–5	Hampstead	2.00	1.97	1.20	1.15	.80	.82	.70	9.00	9.30	5.00	5.06	270 B
Southern States Cooperative Quality Open Formula 2–9–5	Baltimore	2.00	1.98	1.20	1.22	.80	.76	.60	9.00	9.30	5.00	5.04	622 B
Southern States Cooperative Quality Open Formula 2–9–5	Baltimore	2.00	1.99	1.20	1.17	.80	.82	.70	9.00	8.80	5.00	5.16	549 B
Southern States Cooperative Quality Open Formula 2–9–4	Baltimore	2.00	2.08	1.20	1.25	.80	.83	.70	9.00	9.20	5.00	5.20	386 B
Southern States Cooperative Quality Open Formula 2–9–5	Hagerstown	2.00	2.08	1.20	1.19	.80	.89	.80	9.00	9.70	5.00	5.16	223 B
Southern States Cooperative Quality Big Yield 2–9–5	Baltimore	2.00	2.05	1.70	1.45	.30	.60	.70	9.00	8.90	5.00	5.24	177 B

Southern States Cooperative Quality Big Yield 2–9–5	Baltimore	2.00	1.99	1.70	1.21	.30	.78	.80	9.00	9.20	5.00	5.28	236 B
Southern States Cooperative Quality Big Yield 2–9–5	Baltimore	2.00	2.04	1.70	1.50	.30	.54	.40	9.00	9.20	5.00	5.40	24 A
Southern States Cooperative Quality Big Yield 2–9–5	Owings Mills	2.00	2.04	1.70	1.43	.30	.61	.70	9.00	9.20	5.00	5.74	7 B
Southern States Cooperative Quality Open Formula 2–8–10	Baltimore	2.00	2.01	1.20	1.31	.80	.70	.60	8.00	8.90	10.00	10.20	321 B
Southern States Cooperative Quality Open Formula 2–8–10	Baltimore	2.00	2.06	1.20	1.29	.80	.77	.60	8.00	8.60	10.00	10.08	329 B
Southern States Cooperative Quality Open Formula Fertilizer 0–14–6	Baltimore							.60	14.00	14.40	6.00	6.50	
Southern States Cooperative Quality Open Formula 0–12–5	Baltimore							1.10	12.00	12.10	5.00	5.98	
Southern States Cooperative Quality Open Formula 0–12–5	Baltimore							1.10	12.00	12.30	5.00	5.56	
Southern States Cooperative Quality Open Formula 0–12–5	Baltimore							.90	12.00	12.40	5.00	5.00	
Southern States Cooperative Quality Big Yield 0–12–5	Baltimore							1.10	12.00	12.10	5.00	5.36	
Southern States Cooperative Quality Big Yield 0–12–5	Hampstead							1.00	12.00	12.30	5.00	5.56	
Southern States Quality Superphosphate 0–40–0	Baltimore							.90	40.00	40.90			
Southern States Cooperative Quality Big Yield Superphosphate 0–20–0	Baltimore							.90	20.00	20.10			
Southern States Cooperative Quality Superphosphate 0–20–0	Baltimore							.90	20.00	20.30			
Southern States Cooperative Quality Superphosphate 0–16–0	Baltimore							1.10	16.00	15.40			
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md.													
Standard 4–8–7	Baltimore	4.00	4.00	3.20	3.07	.80	.93	.70	8.00	9.20	7.00	7.37	263 A
Standard 3–12–6	Jessups	3.00	2.72	2.40	2.11	.60	.61	.90	12.00	13.30	6.00	6.13	202 A
Standard 2–12–6	Denton	2.00	2.12	1.60	1.52	.40	.60	.80	12.00	12.60	6.00	6.13	39 A
Standard 2–12–6	Baltimore	2.00	2.11	1.60	1.63	.40	.48	.50	12.00	12.40	6.00	6.48	129 A
Standard 2–12–4	Denton	2.00	1.99	1.60	1.52	.40	.47	.70	12.00	12.70	4.00	5.04	91 A
Standard 2–12–4	Baltimore	2.00	2.05	1.60	1.57	.40	.48	.60	12.00	12.50	4.00	5.80	120 A
Standard 2–9–5	Denton	2.00	2.02	1.60	1.61	.40	.41	.50	9.00	9.30	5.00	5.12	46 A
Standard 2–9–5	Baltimore	2.00	2.09	1.60	1.59	.40	.50	.60	9.00	10.10	5.00	5.76	72 A
Standard 2–8–10	Baltimore	2.00	2.06	1.60	1.47	.40	.59	.70	8.00	8.40	10.00	9.32	74 A
Standard 2–8–10	Denton	2.00	2.13	1.60	1.57	.40	.56	.60	8.00	9.00	10.00	10.07	83 A

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P2O5)			POTASH (K2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
*Standard 0–14–6	Denton							.60	14.00	14.10	6.00	7.80	
Standard 0–10–10	Denton							.40	10.00	10.70	10.00	10.20	
Standard 0–10–10	Baltimore							.40	10.00	11.50	10.00	10.16	
Standard 0–12–5	Denton							.50	12.00	12.60	5.00	5.36	
Standard 0–12–5	Baltimore							.90	12.00	12.40	5.00	5.24	
Standard Superphosphate 0–20–0	Baltimore							1.10	20.00	20.20			
Standard Superphosphate 0–16–0	Baltimore							1.60	16.00	16.20			
Swift & Co., Fertilizer Works, A Division of Swift & Co., Baltimore, Md.													
Vigoro 4–12–4	Baltimore	4.00	4.04	4.00	3.76		.28	.90	12.00	11.80	4.00	4.50	61 B
Swift's Red Steer 4–8–7	Jarrettsville	4.00	3.88	3.00	3.05	1.00	.83	.80	8.00	8.10	7.00	7.22	68 B
Swift's Red Steer 2–12–6	Baltimore	2.00	1.97	1.50	1.39	.50	.58	1.10	12.00	12.10	6.00	6.20	53 B
Swift's Red Steer 2–12–6	Ridgely	2.00	1.97	1.50	1.31	.50	.66	1.00	12.00	11.80	6.00	6.36	8 A
Swift's Red Steer 2–12–4	Hagerstown	2.00	2.05	1.50	1.34	.50	.71	.90	12.00	12.10	4.00	4.34	18 A
Swift's Red Steer 2–9–5	Baltimore	2.00	1.98	1.50	1.29	.50	.69	1.00	9.00	9.10	5.00	5.28	21 B
Swift's Red Steer 2–9–5	Hagerstown	2.00	1.92	1.50	1.36	.50	.56	1.20	9.00	8.70	5.00	5.12	7 B
Swift's Red Steer 2–9–5	Ridgely	2.00	1.97	1.50	1.34	.50	.63	.80	9.00	9.00	5.00	5.25	5 A
Swift's Red Steer 2–8–10	Ridgely	2.00	1.80	1.50	1.31	.50	.49	.90	8.00	8.00	10.00	10.08	71 B
Raw Bone Meal Fertilizer 3.70–T.P.A. 20–0	Baltimore	3.70	4.00						†20.00	†21.50			
Bone Meal Fertilizer 2.47–T.P.A. 23–0	Baltimore	2.47	2.71						†23.00	†23.50			
Swift's Sheep Manure 1.85–T.P.A. 1–1.75	Baltimore	1.85	1.99						†1.00	†1.40	1.75	2.70	
Swift's Sheep Manure 1.85–T.P.A. 1–1.75	Baltimore	1.85	1.99						†1.00	†1.60	1.75	2.64	
Swift's Cattle Manure 1.85–T.P.A. .75–1.50	Baltimore	1.85	2.18						*75	*1.50	1.50	2.26	
Swift's Red Steer 0–14–6	Baltimore							.70	14.00	14.70	6.00	6.36	
Swift's Red Steer 0–10–10	Ridgely							.70	10.00	10.00	10.00	10.16	
Swift's Red Steer 0–12–5	Baltimore							.80	12.00	12.10	5.00	5.35	
Swift's Red Steer 0–12–5	Ridgely							.70	12.00	12.00	5.00	5.28	
Swift's Red Steer Superphosphate 0–16–0	Baltimore							.20	16.00	16.70			
Swift's Red Steer Superphosphate 0–16–0	Hagerstown							.60	16.00	16.50			
Swift's Red Steer Superphosphate 0–16–0	Ridgely							.50	16.00	16.30			
Tennessee Corp., Lockland, Ohio													
Loma 5–10–4	Baltimore	5.00	4.83	4.00	4.28	1.00	.55	.60	10.00	10.00	4.00	4.26	239 A

Swift's Red Steer Superphosphate 0–16–0	Hagerstown							.60	16.00	16.50			
	Ridgely							.50	16.00	16.30			
Tennessee Corp., Lockland, Ohio													
Loma 5–10–4	Baltimore	5.00	4.83	4.00	4.28	1.00	.55	.60	10.00	10.00	4.00	4.26	239 A
Thomas & Co., Gaithersburg, Md.													
Sure Crop 2–12–6	Gaithersburg	2.00	2.72	1.80	2.51	.20	.21	.40	12.00	12.30	6.00	8.20	118 A
Wheat and Grass Grower 2–9–5	Gaithersburg	2.00	1.97	1.80	1.74	.20	.23	1.90	9.00	8.30	5.00	5.12	366 B
Harvest Queen 1–10–5	Gaithersburg	1.00	1.12	.80	.87	.20	.25	1.00	10.00	10.00	5.00	5.98	432 B
Super Phosphate and Potash 0–12–5	Gaithersburg							1.90	12.00	15.10	5.00	5.98	
Superpnosphate 0–16–0	Gaithersburg							1.90	16.00	15.50			
Thomas Supply Co., Adamstown, Md.													
Thomas 2–12–6	Baltimore	2.00	2.08	1.60	1.70	.40	.38	1.10	12.00	11.80	6.00	6.05	295 B
Thomas Superphosphate 0–16–0	Baltimore							1.00	16.00	17.60			
I. P. Thomas & Son Co., Camden, N. J.													
I. P. Thomas 2–12–6	Denton	2.00	2.19	1.70	1.24	.30	.95	1.50	12.00	12.10	6.00	6.40	40 A
*Potash Mixture 0–12–5	Denton							1.10	12.00	12.20	5.00	5.26	
Superphosphate 0–16–0	Denton							1.50	16.00	16.60			
Wm. B. Tilghman Co., Salisbury, Md.													
Tilghman's Grain Mixture 2–12–6	Salisbury	2.00	2.02	1.60	1.57	.40	.45	.70	12.00	12.80	6.00	6.48	8 B
Tilghman's Special 2–9–5	Salisbury	2.00	2.16	1.60	1.73	.40	.43	.40	9.00	9.90	5.00	5.35	112 B
Tilghman's S. P. 2–8–10	Salisbury	2.00	2.16	1.60	1.71	.40	.45	.50	8.00	8.70	10.00	10.50	199 B
Tilghman's Ten-Ten	Salisbury							.60	10.00	10.10	10.00	10.40	
Tilghman's Ten-Ten	Federalsburg							.50	10.00	10.30	10.00	10.00	
Tilghman's Superphosphate 0–16–0	Salisbury							.30	16.00	16.10			
F. W. Tunnell & Co., Inc., Philadelphia, Pa.													
Tunnell's 3–12–6	Colora	3.00	3.00	2.25	2.16	.75	.84	1.40	12.00	12.00	6.00	6.50	67 A
Tunnell's Fertilizer 2–9–5	Queen Anne	2.00	2.13	1.00	1.26	1.00	.87	1.10	9.00	9.80	5.00	5.44	13 B
Tunnell's Fertilizer 2–9–5	Colora	2.00	2.13	1.00	1.29	1.00	.84	1.60	9.00	9.40	5.00	5.50	39 B
Tunnell's Fertilizer 2–8–10	Colora	2.00	2.12	1.00	1.31	1.00	.81	1.20	8.00	8.60	10.00	10.32	10 B
Valliant Fertilizer Co., Laurel, Del.													
Standard 2–12–6		2.00	1.98	1.50	1.47	.50	.51	.80	12.00	12.30	6.00	6.60	126 B
Diamond 2–9–5		2.00	2.06	1.80	1.77	.20	.29	.40	9.00	9.30	5.00	5.40	95 B
Gem 2–8–10		2.00	2.18	1.80	1.36	.20	.82	1.80	8.00	10.70	10.00	10.24	101 B
Jumbo 1–10–5		1.00	1.05	.80	.77	.20	.28	.70	10.00	10.60	5.00	5.50	263 B
Eagle 0–12–12								.50	12.00	12.10	12.00	14.00	
Royal 0–10–10								.70	10.00	10.20	10.00	10.40	
Superphosphate 0–16–0								.60	16.00	17.20			

* Not licensed at time of sampling.

† Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
E. S. Valliant & Son, Centreville, Md.													
Excelsior 2–12–6	Centreville	2.00	2.02	1.50	1.57	.50	.45	.60	12.00	12.40	6.00	6.05	121 B
Keystone 2–9–5	Centreville	2.00	2.19	1.70	1.87	.30	.32	.70	9.00	9.40	5.00	5.20	12 B
Winner 2–8–10	Centreville	2.00	1.99	1.70	1.76	.30	.23	.40	8.00	8.50	10.00	10.50	18 B
Animal Base Brand 1–10–5	Centreville	1.00	1.01	.80	.76	.20	.25	.80	10.00	10.20	5.00	5.35	191 B
Valliant's 0–12–10	Centreville							.60	12.00	13.10	10.00	10.44	
Grower 0–10–10	Kennedysville							.70	10.00	10.10	10.00	10.44	
Grower 0–10–10	Centreville							.80	10.00	10.00	10.00	10.44	
Virginia-Carolina Chemical Corp. Baltimore, Md.													
V-C 4–8–5 Fertilizer	Worton	4.00	3.99	3.00	2.92	1.00	1.07	.30	8.00	8.70	5.00	5.46	91 A
V-C 3–8–10 Fertilizer	Worton	3.00	3.05	2.25	2.08	.75	.97	.50	8.00	8.20	10.00	10.24	65 A
V-C 2–12–6 Fertilizer	Baltimore	2.00	2.11	1.50	1.38	.50	.73	1.30	12.00	12.20	6.00	6.36	98 B
V-C 2–12–6 Fertilizer	Baltimore	2.00	1.98	1.50	1.38	.50	.60	1.30	12.00	12.10	6.00	6.36	152 B
V-C Fish and Potash Mixture 2–9–5	Baltimore	2.00	2.01	1.50	1.47	.50	.54	.90	9.00	9.20	5.00	5.35	63 B
V-C Fish and Potash Mixture 2–9–5	Worton	2.00	1.98	1.50	1.45	.50	.53	.70	9.00	9.10	5.00	5.28	69 B
V-C Fish and Potash Mixture 2–9–5	Cardiff	2.00	1.98	1.50	1.52	.50	.46	.40	9.00	9.50	5.00	5.20	8 B
V-C 2–8–10 Fertilizer	Baltimore	2.00	1.97	1.50	1.26	.50	.71	1.10	8.00	8.30	10.00	10.80	179 B
V-C 2–8–10 Fertilizer	Baltimore	2.00	1.97	1.50	1.32	.50	.65	1.00	8.00	8.10	10.00	10.60	32 B
V-C 0–10–10 Fertilizer	Baltimore							.40	10.00	10.30	10.00	10.20	
V-C 0–10–10 Fertilizer	Worton							.40	10.00	10.20	10.00	10.40	
V-C 0–12–5 Fertilizer	Baltimore							.30	12.00	12.20	5.00	5.24	
V-C 0–12–5 Fertilizer	Baltimore							.30	12.00	12.00	5.00	5.40	
V-C 0–12–5 Fertilizer	Worton							.50	12.00	12.70	5.00	5.50	
V-C Superphosphate 0–20–0	Woodsboro							1.00	20.00	20.70			
V-C Superphosphate 0–16–0	Baltimore							1.20	16.00	16.60			
V-C Superphosphate 0–16–0	Baltimore							.70	16.00	16.60			
V-C Superphosphate 0–16–0	Woodsboro							.80	16.00	16.50			
V-C Superphosphate 0–16–0	Worton							.80	16.00	16.70			
Walker-Gordon Laboratory Co., Inc., Plainsboro, N. J.													

Walker-Gordon Laboratory Co., Inc., Plainsboro, N. J.													
Bovung 2–T.P.A. 2–2	Baltimore	2.00	1.80						*2.00	*2.20	2.00	2.20	
Westminster Fertilizer Co., Westminster, Md.													
2–12–6	Westminster	2.00	1.99	1.40	1.52	.60	.47	.50	12.00	12.50	6.00	6.44	145 A
2–9–5	Westminster	2.00	2.20	1.40	1.66	.60	.54	.50	9.00	9.80	5.00	6.68	67 B
Leader 1–10–5	Westminster	1.00	1.28	.50	.86	.50	.42	.40	10.00	10.50	5.00	7.60	73 B
Superphosphate 0–16–0	Westminster							.90	16.00	17.20			
Wm. W. Woolston, Towson, Md.													
†Top Dresser 10–3–7	Baltimore	10.00	10.28	10.00	8.47		1.81	.20	3.00	4.10	7.00	6.98	
The Worcester Fertilizer Co., Snow Hill, Md.													
Worcester's Correct Plant Food Mixture 5–8–12	Princess Anne	5.00	4.98	3.50	3.48	1.50	1.50	.50	8.00	8.10	12.00	12.26	302 A
†Worcester's Correct Plant Food Mixture 3–12–6	Snow Hill	3.00	2.86	2.10	2.04	.90	.82	.70	12.00	13.80	6.00	6.60	212 A
†Worcester's Correct Plant Food Mixture 2–12–6	Snow Hill	2.00	2.27	1.40	1.46	.60	.81	1.10	12.00	12.70	6.00	5.98	52 A
Worcester's Correct Plant Food Mixutre 2–9–5	Princess Anne	2.00	2.13	1.60	1.54	.40	.59	.40	9.00	9.20	5.00	5.34	27 A
Worcester's Correct Plant Food Mixture 2–9–5	Princess Anne	2.00	2.02	1.60	1.22	.40	.80	.30	9.00	9.90	5.00	5.50	51 A
†Worcester's Correct Plant Food Mixture 2–9–5	Snow Hill	2.00	2.27	1.60	1.54	.40	.73	.90	9.00	9.80	5.00	5.00	6 A
Worcester's Correct Plant Food Mixture 2–8–10	Pocomoke City	2.00	1.97	1.40	1.24	.60	.73	.30	8.00	8.30	10.00	10.08	99 A
Worcester's Correct Plant Food Mixture 2–8–10	Snow Hill	2.00	2.02	1.40	1.34	.60	.68	.20	8.00	8.60	10.00	10.04	68 A
Worcester's Correct Plant Food Mixture 0–10–10	Snow Hill							1.10	10.00	10.50	10.00	10.40	
Superphosphate 0–16–0	Snow Hill							.90	16.00	14.60			

* Total Phosphoric Acid.

† Not licensed at time of sampling.

FEED ANALYSES

(A) General Feeds

(B) Dog Feeds

(C) Mineral Mixtures

The results obtained in the chemical and microscopical examination of feeds, dog feeds, and mineral mixtures, are found on pages 40 to 93. Feeds are considered seriously deficient as regards chemical analysis when they are one per cent or more deficient in protein, or one-half of one per cent deficient in fat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Albers Brothers Milling Co., Seattle, Wash.	
Calf Manna	Elkton
E. T. Allen Co., Atlanta, Ga.	
Empire 41% Protein Cottonseed Meal	Keymar
Empire 41% Protein Cottonseed Meal	Gaithersburg
G. A. Allender, Elkton, Md.	
32% Dairy Feed	Elkton
24% Dairy Feed	Elkton
16% Dairy Feed	Elkton
Dandy Laying Mash	Elkton
Poultry Mash No. 2	Elkton
Poultry Mash No. 3	Elkton
Allied Mills, Inc., Chicago, Ill.	
44% Protein Soybean Oil Meal	Pocomoke City
Brewers' Dried Grains	Baltimore
Brewers' Dried Grains	Derwood
Amco 32% Supplement Dairy Ration	Cumberland
Amco 32% Supplement Dairy Ration	Bel Air
Wayne 32% Farm Mix Dairy Feed	Federalsburg
Ideal 24% Dairy Ration	Bel Air
Amco 20% Dairy Ration	Cumberland
Empire 20% Dairy Ration	Maugansville
Empire 16½% Dairy Feed	Maugansville
Ideal 16% Dairy Ration	Bel Air
Wayne 26% Mash Supplement, with Sardine Oil	Gaithersburg
Amco Tip Top Mash	Grantsville
Wayne Egg and Breeder Mash, with Sardine Oil	Federalsburg
Wayne Egg and Breeder Mash	Gaithersburg
Amco Growing Mash, with Sardine Oil	Bel Air
Ideal Hog Feed	Cumberland
Amco Fitting Ration	Bel Air
Amco Broiler Mash	Cumberland
Amco Broiler Mash	Bel Air
Wayne Broiler Ration (Pellet Form)	Federalsburg
Amco Poultry Fattener	Bel Air
Wayne Poultry Fattener	Baltimore
Wayne Poultry Fattener	Baltimore
Wayne Pork Maker	Maugansville
*Wayne Pig Starter	Maugansville
Wayne Turkey Growing Mash, with Sardine Oil	Federalsburg
Wayne Turkey Growing Mash, with Sardine Oil	Bel Air
American Butter Co., Kansas City, Mo.	
†Dried Greens-Buttermilk	Derwood
American Maize Products Co., New York, N. Y.	
Cream of Corn Gluten Feed	Germantown

* Deficit in protein or fat.
† Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.63	25.00	29.13	4.00	3.80	5.00	3.16	7.30	47.98	As declared on sack	
6.80	41.00	41.07	5.50	5.79	13.00	10.78	7.30	28.26	"	"
8.47	41.00	41.07	5.50	5.65	13.00	11.77	5.65	27.39	"	"
9.91	32.00	32.71	4.00	4.40	9.00	8.08	8.90	36.00	"	"
9.61	24.00	27.05	4.00	3.77	11.00	10.10	7.27	42.20	"	"
9.70	16.00	19.09	3.00	4.03	12.00	12.71	8.33	46.14	"	"
7.94	20.00	22.99	4.50	5.31	9.00	7.55	9.70	46.51	"	
9.65	17.50	19.83	4.00	4.23	8.00	5.43	6.84	54.02	"	"
9.02	17.50	19.74	4.00	5.58	8.00	8.03	7.16	50.47	"	"
10.18	44.00	43.94	4.50	4.83	6.50	5.91	5.85	29.29	"	"
5.41	24.00	29.48	5.00	5.41	18.00	17.41	3.20	39.09	"	"
6.38	24.00	29.40	5.00	5.73	18.00	15.34	3.40	39.75	"	"
10.29	32.00	32.99	4.00	4.58	9.00	6.42	9.96	35.76	"	"
9.02	32.00	32.00	4.00	4.12	9.00	7.77	9.62	37.47	"	"
9.32	32.00	32.93	4.00	5.32	9.00	5.15	8.41	38.87	"	"
10.74	24.00	24.04	3.00	3.85	12.00	9.26	8.19	43.92	"	"
8.60	20.00	20.45	4.00	4.65	9.00	8.88	8.80	48.62	"	"
9.54	20.00	22.07	3.00	4.27	12.00	9.53	7.80	46.79	"	"
10.73	16.50	17.44	3.00	3.58	12.00	10.20	8.44	49.61	"	"
11.54	16.00	20.65	3.00	3.24	12.00	9.44	8.24	46.89	"	"
7.94	26.00	27.73	3.50	5.75	10.00	8.99	14.80	34.79	As declared on sack	
9.09	18.00	18.43	3.50	4.21	8.00	7.68	8.90	51.69	As declared on sack	
9.79	20.00	20.80	3.50	4.59	8.00	6.62	8.10	50.10	"	"
9.42	20.00	20.01	3.50	5.07	8.00	7.27	8.85	49.38	"	"
8.33	17.00	17.11	3.50	4.29	7.00	6.74	7.25	56.28	"	"
9.97	14.00	17.74	3.50	3.74	7.00	6.89	9.38	62.28	"	"
10.30	12.00	17.45	3.50	3.82	9.00	6.95	7.82	53.66	"	"
8.41	18.00	20.53	3.50	5.30	8.00	6.40	10.00	49.36	"	"
7.11	18.00	19.22	3.50	4.72	8.00	6.66	8.85	53.44	"	"
9.08	18.00	19.74	3.50	5.00	8.00	6.33	7.50	52.35	"	"
8.65	13.50	17.55	3.50	3.82	8.00	7.11	4.60	58.27	"	"
8.31	13.50	15.27	3.50	5.01	8.00	7.68	4.70	59.03	"	"
9.64	13.50	14.74	3.50	4.14	8.00	7.56	3.10	60.82	"	"
11.28	14.00	14.02	3.50	4.53	7.00	7.15	5.36	57.66	"	"
11.57	18.00	16.98	3.50	4.30	7.00	4.92	7.72	54.51	"	"
9.97	20.00	21.15	3.50	4.53	8.00	6.40	10.15	47.80	"	"
8.63	20.00	20.01	3.50	5.10	8.00	6.42	8.50	51.34	"	"
8.40	25.00	25.62	4.00	5.01	15.00	13.72	12.75	34.50	"	"
8.61	25.00	27.82	2.00	2.47	8.50	7.12	8.00	45.98	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM
American Stores, Inc., Philadelphia, Pa.	
Farmdale Laying Mash	Baltimore
Farmdale Starting and Growing Mash	Baltimore
Farmdale Chick Grains	Baltimore
Farmdale Scratch Grains	Baltimore
Amos & Glasgow, Street, Md.	
Amos & Glasgow 20% Egg Mash	Street
Anchor Mills, Hagerstown, Md.	
Zip Egg Mash	Cockeysville
Anderson Grain & Feed Co., York, Pa.	
Anderson 20 Dairy Feed	Upper Marlboro
Anderson 16 Dairy Feed	Upper Marlboro
Anderson 20 Laying Mash, with Cod Liver Oil	White Hall
Anne Arundel County Farmers' Association, Baltimore, Md.	
Anarco 26% Dairy Feed	Baltimore
Anarco Egg Mash	Baltimore
*Anarco Hog Feed	Baltimore
Arcady Farms Milling Co., Chicago, Ill.	
Arcady Sweet 16 Dairy Feed	Unionville
Provo 16% Dairy Feed	Unionville
Arcady Wonder Laying Mash	Baltimore
Sunkist Egg Mash	Unionville
Wonderfat Station Feed	Baltimore
Wonderfat Station Feed	Baltimore
‡Arcady Horse and Mule Feed	Baltimore
‡Wonder Horse and Mule Feed	Baltimore
Wonder 40% Hog Supplement	Unionville
Arcady Hog Grower	Unionville
*Wonder Calf Meal	Baltimore
‡Rockland Rabbit Ration (Pellets)	Baltimore
Archer-Daniels-Midland Co., Minneapoils, Minn.	
44% Protein New Process Soybean Oil Meal	Westminster
41% Protein O. P. Soybean Oil Meal	Hagerstown
34% Protein O. P. Linseed Meal	Baltimore
34% Protein O. P. Linseed Meal	Hagerstown
Ashcraft-Wilkinson Co., Atlanta, Ga.	
Cow-Eta Brand 41% Protein Prime Quality Cotton Seed Meal	Westminster
Atkinson Milling Co., Minneapolis, Minn.	
‡Atkinson's Wheat Bran, with Ground Screen N. Ex. M. R.	Stemmers Run
‡Atkinson's Watchword Wheat Reddog	Stemmers Run
‡Atkinson's Wheat Flour Middlings, with Ground Screen N. Ex. M. R.	Stemmers Run
Atkinson's Wheat Standard Middlings, with Ground Screen N. Ex. M. R.	Stemmers Run

* Deficit in protein or fat.
‡ Sampled before registration.

Mositure	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
9.18	20.00	21.94	5.00	5.12	7.00	5.52	9.90	48.34	"	"
9.42	16.00	16.67	4.00	5.01	5.00	6.10	9.20	53.60	"	"
10.43	10.00	10.18	3.00	5.03	3.00	1.47	2.45	70.44	"	"
12.11	10.00	9.65	2.50	2.88	4.00	2.16	1.30	71.90	"	"
9.23	20.00	21.24	4.00	4.74	7.50	7.80	8.05	48.94	"	"
9.18	18.00	17.51	4.00	3.69	6.00	6.79	7.04	55.79	"	"
8.32	20.00	23.10	4.00	3.97	12.00	11.49	8.28	44.84	"	"
8.56	16.00	18.22	3.50	4.10	12.00	9.91	8.99	50.22	"	"
9.33	20.00	20.88	4.00	4.74	8.00	6.99	11.25	46.81	"	"
9.36	26.00	25.62	5.00	4.83	9.00	7.69	7.50	45.00	A.	
9.18	22.00	22.03	5.00	5.40	8.00	6.12	11.45	45.82	As declared on sack	
9.48	21.00	20.80	6.00	5.04	7.00	9.34	7.65	47.69	"	"
10.88	16.00	17.25	3.50	3.68	12.50	11.06	11.34	45.79	"	"
9.58	16.00	18.40	3.00	3.73	13.50	9.89	11.64	46.76	"	"
8.61	20.00	20.62	4.00	4.24	7.00	6.49	8.65	51.39	"	"
8.01	20.00	21.13	4.00	4.62	8.00	7.89	11.70	46.65	"	"
8.28	12.50	14.57	4.50	5.41	6.00	6.03	5.35	60.36	"	"
8.30	12.50	13.51	4.50	4.70	6.00	6.70	8.10	58.69	"	"
10.43	9.00	9.17	2.00	2.83	14.00	11.34	6.01	60.22	"	"
9.62	9.00	10.17	3.00	3.95	10.00	8.11	3.45	64.70	"	"
9.56	40.00	39.16	4.50	5.12	7.00	5.23	13.95	26.98	"	"
9.59	15.00	18.85	3.50	5.97	9.00	7.48	11.43	46.68	"	"
9.54	25.00	26.41	4.50	3.80	5.00	4.96	6.65	48.64	"	"
9.18	17.00	17.90	2.50	3.68	11.00	10.37	9.37	49.50	"	"
8.17	44.00	47.56	.50	.60	7.00	5.39	6.70	31.58	"	"
9.92	41.00	43.61	4.00	4.12	7.00	5.51	6.25	30.59	"	"
8.33	34.00	34.58	4.50	4.51	9.00	7.47	6.75	38.36	B.	
9.52	34.00	33.78	4.50	4.78	9.00	7.62	6.70	37.60	C.	
7.16	41.00	40.98	5.00	5.86	13.00	11.63	5.85	28.52	As declared on sack	
8.43	14.00	16.85	4.00	4.11	12.00	11.34	7.50	51.77	"	"
9.71	16.00	20.45	3.50	3.41	4.00	2.75	3.10	60.58	"	"
8.94	15.50	19.39	4.00	4.35	6.00	4.67	4.40	58.25	"	"
9.09	15.00	19.39	4.00	4.22	9.50	7.89	5.75	53.66	"	"

A—Ingredients on sack differ from license.
B—Acid Insoluble Ash 0.27%.
C—Acid Insoluble Ash 0.25%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Atlantic Supply Co., Baltimore, Md.	
Atlantic 58% Fish Meal	Hagerstown
Atlantic 58% Fish Meal	Sykesville
*Atlantic 60% Digester Tankage	Ingleside
†Atlantic 60% Digester Tankage	Thurmont
Atlantic Dried Skimmilk	Sandy Spring
H. J. Baker & Brother, New York, N. Y.	
"John Bull Brand" Dried Beet Pulp	Easton
The Baltimore Feed & Grain Co., Baltimore, Md.	
Steamed Bone Meal	Cambridge
BBL. Fish Meal	Cambridge
*BBL. 32% Dairy Feed	Baltimore
*BBL. 24% Dairy Feed	Baltimore
*BBL. 20% Dairy Feed	Baltimore
BBL. 16% Dairy Feed	Baltimore
BBL. Egg Mash	Baltimore
BBL. Quality Egg Maker Laying Mash	Baltimore
BBL. Breeder Mash Cod Mlk O Lay	Baltimore
BBL. Hog Feed	Baltimore
‡BBL. Turkey Starter and Grower	La Plata
Dried Skimmed Milk	Baltimore
The Baltimore Pure Rye Distilling Co., Dundalk, Md.	
Dried Rye Distiller's Grains	Maugansville
Dried Rye Distiller's Grains	Bel Air
Barker, Moore & Mein Co., Philadelphia, Pa.	
Barker's Poultry Powder	Berlin
The Baugh & Sons Co., Baltimore, Md.	
*Duplex Egg Producer Pure Meat Scrap	Princess Anne
Duplex Egg Producer Pure Meat Scrap	Princess Anne
Baugh's Oldest Brand Meat and Bone Scrap	Chestertown
Baugh's Oldest Brand Meat and Bone Scrap	Princess Anne
Baugh's Oldest Brand Meat and Bone Scrap	Chestertown
Baugh's 58% Fish Meal	Sykesville
Baugh's Sterilized Steamed Bone for Feeding	Sykesville
Baugh's 60% Digester Tankage	Princess Anne
Baugh's 60% Digester Tankage	Sykesville
Baugh's 24% Dairy Feed	Fredericktown
Baugh's No. 1 Laying Mash	Salisbury
Baugh's No. 1 Growing Mash	Fredericktown
The Beacon Milling Co., Inc., Cayuga, N. Y.	
Beacon "32"	Princess Anne
Beacon "22" Egg Mash, with BM	Salisbury
Beacon "20" Laying Mash, with BM	Salisbury
Beacon Hog Feed	Salisbury
†Beacon Calf Pellets	Princess Anne
Beacon Broiler Feed	Salisbury

* Deficit in protein or fat.
† Deficit in both protein and fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
6.93	58.00	58.80	6.00	6.24	1.00	.56	22.40	5.07	"	"
6.61	58.00	58.36	6.00	10.60	1.00	.67	20.65	3.11	"	"
5.68	60.00	55.02	8.00	8.86	2.00	2.03	27.70	.71	"	"
3.88	60.00	57.38	8.00	7.01	2.00	2.84	7.65	21.24	"	"
.....	32.00	33.52	.25	X .81	.....	.....	7.90	.....	"	"
8.56	7.00	9.21	.....	.....	20.00	21.89	3.20	.....	"	"
3.68	5.00	5.09	.20	.22	4.00	.32	87.55	3.14	"	"
5.73	55.00	59.58	6.00	7.43	2.00	.39	17.45	9.42	"	"
9.40	32.00	29.19	4.75	5.72	10.00	9.56	7.85	38.28	"	"
9.92	24.00	22.74	4.25	5.71	10.00	10.69	8.73	42.21	A.	
10.53	20.00	18.08	4.00	4.89	12.00	10.85	8.20	47.45	As declared on sack	
10.00	16.00	15.23	3.75	4.38	12.50	12.04	8.79	49.56	"	"
9.39	20.00	20.45	4.00	5.49	8.00	8.18	10.60	45.89	"	"
8.66	20.00	20.27	4.50	6.49	7.00	6.26	9.05	49.27	"	"
8.96	20.00	20.27	4.50	5.65	7.00	6.35	10.10	48.67	"	"
8.61	18.00	18.16	4.00	4.89	8.00	7.43	7.35	53.56	"	"
7.12	21.00	21.06	5.00	4.96	7.00	9.18	14.50	43.18	"	"
.....	32.00	34.58	.20	X .91	.....	.....	7.10	.....	"	"
9.38	16.00	18.08	5.00	4.92	20.00	15.48	2.05	50.09	"	"
6.57	16.00	16.32	5.00	5.61	20.00	14.77	2.60	54.13	"	"
7.09	15.00	19.92	3.50	3.32	16.00	9.66	23.90	36.11	"	"
8.14	55.00	53.53	6.00	9.25	3.00	3.49	25.45	.14	"	"
7.24	55.00	55.20	6.00	8.97	3.00	2.97	27.65	.....	.... "	"
5.68	50.00	51.60	6.00	10.23	3.00	1.62	29.10	1.77	"	"
6.57	50.00	52.12	6.00	9.63	3.00	2.32	29.30	.06	"	"
7.83	50.00	52.39	6.00	8.01	3.00	2.06	28.80	.91	"	"
6.60	58.00	57.52	5.00	9.34	3.00	.92	19.60	6.02	"	"
4.29	5.00	4.21	.20	.45	4.00	.34	88.75	1.96	"	"
7.00	60.00	68.18	5.00	9.43	3.00	4.48	12.65	.....	"	"
10.01	60.00	61.68	5.00	4.61	3.00	1.38	20.50	1.82	"	"
8.01	24.00	24.78	4.00	3.89	10.00	9.45	5.71	48.16	"	"
8.58	20.00	19.93	4.00	5.02	7.00	6.39	9.55	50.53	"	"
10.01	17.00	17.20	4.00	3.98	7.00	7.48	8.30	53.03	A.	
8.82	32.00	32.02	4.50	4.86	8.50	7.77	9.72	36.81	As declared on sack	
8.11	22.00	22.35	4.50	6.16	7.50	6.14	11.75	45.49	"	"
8.65	20.00	20.01	4.00	6.06	7.50	7.29	11.75	46.24	"	"
8.89	18.00	18.78	5.00	4.56	7.00	5.30	8.80	53.67	"	"
9.56	25.00	23.34	3.50	2.36	4.00	3.09	5.20	56.45	"	"
9.11	18.50	19.48	4.00	5.27	7.00	5.92	9.00	51.22	"	"

A—Ingredients on sack differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Beacon Milling Co., Inc., Cayuga, N. Y. (Continued)	
Beacon Fleshing Pellets	Salisbury
Beacon Complete Starting Ration	Salsibury
Beacon's Cayuga Scratch Feed	Salisbury
Beacon Turkey Growing Feed	Princess Anne
Beacon Turkey Fitting Ration	Princess Anne
Beacon Comprest Rabbit Feed	Salisbury
J. P. Bennett & Son, Mardela Springs, Md.	
D. M. Laying Mash	Mardela Springs
Bennett's Best Hog Feed	Mardela Springs
Berlin Feed Store, Berlin, Md.	
B. F. S. Laying Mash	Berlin
B. F. S. Growing Mash	Berlin
Berlin Milling Co., Inc., Berlin, Md.	
*Economy Laying Mash	Berlin
Economy Growing Mash	Berlin
Economy Starter and Broiler Mash	Berlin
Economy Starter and Broiler Mash	Salisbury
Berlin Milling Co., Salisbury, Md.	
Economy Hog Feed	Salisbury
The Geo. W. Biles Co., Inc., Providence, Md.	
Cecil County Laying Mash	Providence
Cecil County Starter and Grower	Providence
‡Cecil County Turkey Grower	Providence
Binger Brothers, Upper Marlboro, Md.	
Red Star Laying Mash, with BM	Upper Marlboro
Red Star Growing Mash, with BM	Upper Marlboro
Red Star Growing Mash, with BM	Upper Marlboro
Red Star Broiler Ration	Upper Marlboro
Red Star Pig Meal	Upper Marlboro
Red Star Calf-A	Upper Marlboro
Blatchford Calf Meal Co., Waukegan, Ill.	
*V-D	Newark
Frank H. Blodgett, Inc., Janesville, Wis.	
‡Rye Middlings	Baltimore
The Borden Co., New York, N. Y.	
Flaydry Lactoflavin Supplement	Berlin
Bowman Brothers, Gaithersburg, Md.	
Gilt Edge Dairy Feed	Gaithersburg
Gilt Edge Laying Mash	Gaithersburg
Gilt Edge Growing Mash	Gaithersburg
Gilt Edge Hog Feed	Gaithersburg

* Deficit in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.97	15.00	17.81	3.50	4.08	6.50	6.03	6.25	56.86	" "
8.96	17.50	17.64	4.00	4.76	6.00	5.33	9.85	53.46	" "
11.80	9.00	10.18	2.00	2.55	5.00	2.39	2.15	70.93	" "
8.97	20.00	21.24	4.00	4.55	7.00	6.66	8.95	49.63	" "
10.48	10.00	12.00	3.00	3.08	9.00	7.80	3.48	63.16	" "
10.22	18.00	19.83	3.00	4.05	7.00	6.61	6.95	52.34	" "
8.95	20.00	22.03	4.00	4.43	9.00	8.19	10.95	45.45	" "
9.59	16.00	17.90	4.00	4.34	10.00	4.62	9.50	54.05	" "
9.13	19.00	21.50	4.00	6.80	7.00	6.81	8.95	46.81	" "
8.47	17.00	17.11	4.00	4.44	7.00	6.02	11.45	52.51	" "
9.19	19.00	19.57	5.00	4.34	6.50	6.25	13.65	47.00	A.
9.91	15.00	17.90	4.50	4.56	5.00	6.47	7.40	53.76	As declared on sack
9.29	17.50	18.87	4.50	4.48	5.00	4.62	8.20	54.54	B.
8.49	17.50	19.39	4.50	4.98	5.00	4.75	12.30	50.09	C.
9.69	16.00	17.29	4.50	4.79	9.50	7.94	8.20	52.09	C.
9.64	20.00	20.36	4.00	5.59	6.50	5.16	11.70	47.55	As declared on sack
9.73	17.00	17.11	4.00	4.75	6.50	6.02	9.00	53.39	" "
9.74	17.50	17.90	4.50	5.23	7.00	6.59	13.60	46.94	D.
8.36	20.00	20.01	4.50	5.07	7.00	6.41	12.20	47.95	As declared on sack
8.69	16.00	16.50	4.00	5.07	7.00	4.93	10.75	54.06	" "
8.51	16.00	16.50	4.00	5.03	7.00	5.76	8.45	55.75	" "
8.66	18.00	17.07	5.00	5.32	7.00	6.83	10.85	51.27	" "
8.15	16.00	16.76	4.00	5.10	7.00	7.67	7.60	54.72	" "
9.12	24.00	27.38	4.50	5.96	6.50	8.42	7.34	41.78	" "
9.65	31.00	31.59	5.00	4.13	5.00	5.15	11.40	38.08	C.
9.22	14.00	18.52	3.00	3.85	11.00	5.87	4.85	57.69	As declared on sack
.....	18.00	26.32	.50	X 2.55	.....	.....	9.40	.....	" "
8.61	26.00	25.97	5.00	5.18	9.00	9.32	8.90	42.02	" "
10.29	19.00	18.95	5.00	4.53	6.00	5.54	11.22	49.47	" "
10.77	16.00	15.09	3.50	4.95	6.00	5.07	6.35	57.77	" "
8.75	19.00	19.13	3.00	6.16	8.00	5.89	11.20	48.87	A.

A—Also detected Corn Gluten.
B—Also detected Linseed Oil Meal.
C—Ingredients on sack differ from license.
D—No information on sack.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Bradley & Baker, Baltimore, Md.	
50% Meat and Bone Scrap	Chewsville
C. H. Braun & Sons, Inc., Baltimore, Md.	
Encore Brand 55% Meat Scrap	Baltimore
Encore Brand 50% Meat and Bone Scrap	Baltimore
Encore Brand 50% Meat and Bone Scrap	Ingleside
Encore Brand 60% Digester Tankage	Chestertown
P. M. Brooks, Chestertown, Md.	
Rose Bud Egg Mash	Chestertown
*Special Hog Feed	Chestertown
Brooks Rose Bud Turkey Starter and Grower	Chestertown
Herbert Bryant Inc., Alexandria, Va.	
†50% Meat and Bone Scrap for Poultry	Washington Grove
*Pure Ground Fish for Poultry	Washington Grove
Bryant's Home 32% Dairy Feed	Washington Grove
Bryant's Home 26% Dairy Feed	Washington Grove
Bryant's Home 20% Dairy Feed	Washington Grove
Bryant's New Deal Laying Mash	Washington Grove
"HB" Laying Mash	Washington Grove
"HB" Pig and Hog Feed	Washington Grove
"HB" All Mash Turkey Starter and Grower	Washington Grove
C. W. Burckhalter, Inc., New York, N. Y.	
‡Burck Brand Dried Buttermilk	Ellicott City
Burck Brand Powdered Skim Milk	Pocomoke City
The Cambridge Manufacturing Co., Cambridge, Md.	
New-Vim Dairy Feed	Cambridge
New-Vim Super Laying Mash	Cambridge
New-Vim Special Laying Mash	Cambridge
Gets "Em Laying Mash"	Cambridge
New-Vim Growing Mash	Cambridge
New-Vim Special Growing Mash	Cambridge
Broiler Mash	Cambridge
New-Vim Hog Feed	Cambridge
New-Vim Turkey Growing	Cambridge
New-Vim Turkey Starter	Cambridge
Capital Flour Mills, Inc., St. Paul, Minn.	
Cherokee Wheat Middlings, with Ground Screen N. Ex. M. R.	Baltimore
‡Cherokee Wheat Middlings, with Ground Screen N. Ex. M. R.	La Plata
The A. B. Caple Co., Toledo, Ohio	
‡Cut Rabbit Alfalfa	Baltimore
Carrollton Roller Mills, Union Bridge, Md.	
Carrollton Dairy Feed	Union Bridge
Carrollton Laying Mash	Union Bridge
Carrollton Pig Feed	Union Bridge

* Deficit in protein or fat.
† Deficit in both protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.82	50.00	50.72	6.00	11.14	3.00	2.14	28.70	.48	As declared on sack
6.45	55.00	56.69	6.00	9.66	3.00	1.96	24.30	.94	" "
6.23	50.00	53.71	6.00	11.26	3.00	2.49	26.24	.07	" "
5.41	50.00	52.48	6.00	9.72	3.00	1.78	30.20	.41	" "
9.06	60.00	60.11	6.00	7.29	3.00	1.12	21.95	.47	" "
7.78	19.00	20.71	4.50	6.36	7.00	5.56	12.80	46.79	" "
10.15	17.50	16.50	3.50	3.43	7.50	6.64	6.15	57.13	" "
9.43	20.00	19.34	4.50	5.11	9.00	6.83	12.15	47.14	" "
7.67	50.00	48.27	10.00	9.20	2.00	2.06	29.80	3.00	" "
8.50	58.00	56.47	7.00	10.38	1.00	.72	20.70	3.23	" "
8.34	32.00	32.47	4.00	5.49	9.00	11.71	7.40	34.59	" "
9.62	26.00	26.68	4.00	4.67	9.00	9.78	6.65	42.60	" "
8.04	20.00	21.24	3.50	4.71	11.00	9.45	6.20	50.36	As declared on sack C
8.35	18.00	17.99	4.50	4.75	7.00	7.71	10.05	51.15	As declared on sack
10.21	19.00	18.83	5.00	4.85	6.50	5.94	8.15	52.02	" "
11.61	16.00	16.32	5.00	5.21	6.00	6.13	5.45	55.28	" "
10.68	22.00	21.59	5.00	5.42	5.00	4.12	9.10	49.09	A.
.....	32.00	32.38	5.00	X9.37	.....	XX	10.70	.....	" "
.....	32.00	34.75	.75	X.72	.....	.....	8.20	.....	" "
9.80	16.00	19.29	3.00	3.41	12.00	10.26	7.75	49.49	" "
9.21	20.00	20.63	5.00	4.95	7.00	5.66	11.25	48.30	" "
9.23	20.00	20.09	5.00	5.39	7.00	5.52	11.25	48.52	" "
8.82	20.00	20.01	5.00	4.96	7.00	6.45	11.00	48.76	" "
9.28	15.00	15.53	4.00	4.64	6.00	4.97	9.50	56.08	" "
9.70	16.00	16.32	4.00	4.89	6.00	5.13	9.30	54.66	" "
9.78	17.00	16.94	4.00	4.24	5.00	3.92	8.25	56.87	" "
8.58	16.00	17.73	4.50	4.69	9.00	7.47	7.15	54.38	" "
9.47	25.00	24.95	4.00	4.74	5.00	4.12	12.95	43.77	" "
10.90	20.00	20.71	4.00	3.43	5.00	5.06	11.30	48.60	" "
9.82	16.00	15.97	4.50	4.38	8.50	5.87	4.45	59.51	" "
10.05	16.00	16.41	4.50	4.73	8.50	6.75	3.85	58.21	" "
7.98	13.00	15.09	1.00	1.99	33.00	31.35	7.30	36.29	" "
8.69	17.00	17.99	4.00	5.92	10.00	7.24	3.75	56.41	" "
9.84	17.50	17.55	4.00	4.99	7.00	5.50	8.00	54.12	" "
10.33	18.00	17.90	3.50	4.26	4.50	3.84	6.25	57.42	" "

A—Ingredients on sack differ from licesne.
B.—Also detected Corn Gluten Meal.
C—Fibre guarantee on sack differs from license.
X—Fat as determined by the Roese-Gottlieb Method.
XX—Lactic Acid 3.92%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Carter & Yates Milling Co., Centreville, Md.	
Red Star Laying Mash	Centreville
Red Star Pig and Hog Feed	Centreville
Red Star Turkey Mash	Centreville
Cecil County Milling Co., Rising Sun, Md.	
Rising Sun Brand 16% Dairy Feed	Rising Sun
Rising Sun Brand Laying Mash, with DBM	Rising Sun
Central Chemical Corporation of Virginia, Harrisonburg, Va.	
*‡Fish Meal	Sharpsburg
Central Purchasing Bureau, State of Maryland, Baltimore, Md.	
*C. P. B. Dairy Feed	Reisterstown
*C. P. B. Dairy Feed	Cambridge
C. P. B. Dairy Feed	Breathedsville
C. P. B. Dairy Feed	Catonsville
C. P. B. Dairy Feed	Sykesville
C. P. B. Dairy Feed	Crownsville
C. P. B. Dairy Feed	Jessups
C. P. B. Dairy Feed	Crownsville
C. P. B. Dairy Feed	Owings Mills
C. P. B. Dairy Feed	Catonsville
C. P. B. Dairy Feed	Sykesville
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Dry Cow Feed	Jessups
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Laying Mash	Breathedsville
C. P. B. Laying Mash	Crownsville
C. P. B. Laying Mash	Breathedsville
C. P. B. Laying Mash	Reisterstown
C. P. B. Laying Mash	Crownsville
C. P. B. Growing Mash	Breathedsville
C. P. B. Horse Feed	Crownsville
C. P. B. Horse Feed	Crownsville
C. P. B. Starting Mash	Breathedsville
Central Soya Co., Inc., Fort Wayne, Ind.	
Star Brand Central 44% Soybean Oil Meal	Baltimore
Star Brand Central 44% Soybean Oil Meal	Gaithersburg
Cereal By Products Co., Chicago, Ill.	
‡Dried Skim Milk	Westminster
Chapin & Co., Hammond, Ind.	
Unicorn Dairy Ration 24%	Baltimore
Chesnut Farms-Chevy Chase Dairy, Washington, D. C.	
Skim Milk Powder	Gaithersburg

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.00	20.00	20.27	4.00	3.98	8.00	5.97	9.75	50.03	A.
10.71	18.00	18.16	3.50	3.93	7.00	6.42	5.90	54.88	A.
9.68	18.00	18.87	4.00	4.38	10.00	8.11	8.10	50.86	A.
8.83	16.00	17.27	3.50	3.54	12.00	9.06	6.37	54.93	As declared on sack
9.23	20.00	22.29	4.50	4.97	5.50	5.87	11.81	45.83	" "
8.35	58.00	53.88	6.00	9.47	5.00	.63	23.60	4.07	" "
8.13	32.00	32.08	5.00	3.27	9.00	8.88	7.11	40.53	B.
10.55	32.00	33.23	5.00	4.48	9.00	8.63	7.88	35.23	As declared on sack
8.49	32.00	33.47	5.00	4.95	9.00	6.98	8.04	38.07	" "
8.72	20.00	21.59	4.00	4.01	11.00	8.18	8.75	48.75	" "
10.40	20.00	22.60	4.00	4.04	11.00	8.53	8.48	45.68	" "
11.19	20.00	21.21	4.00	4.12	11.00	8.82	10.30	44.36	" "
8.62	20.00	22.59	4.00	3.97	11.00	8.73	6.48	49.61	" "
9.40	20.00	21.14	4.00	5.63	11.00	4.74	6.04	53.05	" "
9.33	20.00	21.09	4.00	3.94	11.00	7.99	6.51	51.14	" "
8.38	20.00	21.45	4.00	3.95	11.00	8.70	.....	.....	" "
10.21	20.00	20.64	4.00	3.78	11.00	9.55	.....	.....	" "
8.42	12.00	12.65	3.00	3.44	7.00	7.37	5.68	62.44	" "
10.92	12.00	12.60	3.00	3.28	7.00	8.24	6.18	58.78	" "
10.84	12.00	13.32	3.00	2.98	7.00	8.99	7.14	56.73	" "
11.60	12.00	14.20	3.00	3.64	7.00	7.04	.....	.....	" "
8.72	18.00	18.87	4.50	6.02	6.00	5.45	9.60	51.34	" "
9.92	18.00	18.43	4.50	6.92	6.00	6.71	11.20	46.82	" "
8.95	18.00	19.92	4.50	6.36	6.00	5.16	11.90	47.71	" "
.....	18.00	19.92	4.50	6.86	6.00	6.18	9.60	.....	" "
10.45	18.00	18.16	4.50	5.16	6.00	5.09	10.50	50.64	" "
8.46	16.00	17.90	4.00	5.55	6.00	5.51	9.00	53.58	" "
11.19	9.00	9.51	3.50	3.74	8.00	7.49	3.17	64.90	" "
10.13	9.00	9.89	3.50	3.09	8.00	3.49	2.82	70.58	" "
8.69	18.00	19.66	4.00	4.76	6.00	6.12	10.00	50.77	" "
10.05	44.00	45.34	.50	1.02	7.00	4.78	6.05	32.76	As declared on sack
11.11	44.00	44.05	.50	.53	7.00	6.28	6.45	31.58	" "
.....	32.00	35.45	.35	X .39	.....	.....	8.45	.....	" "
9.12	24.00	23.96	4.50	4.14	10.00	7.67	9.69	45.42	" "
.....	32.00	34.05	.75	X .79	.....	XX	7.75	.....	" "

A—Ingredients on sack differ from license.
B—Detected–Cottonseed Meal, Linseed Oil Meal, Soybean Oil Meal, Wheat Bran, Corn Gluten Meal, Dried Brewers Grains, Molasses, Salt, Calcium Corbonate, Steamed Bone Meal.
X—Fat as determined by the Roese-Gottlieb Method.
XX—Lactic Acid 0.97%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Chewsville Cooperative Association, Chewsville, Md.	
Thrivont 32% Mixing Ration	Chewsville
Thrivont Milk Maker	Chewsville
Chewsville Maryland Laying Mash	Chewsville
Thrivont Laying Mash	Chewsville
Thrivont Protein-Mineral Supplement for Hogs	Chewsville
Thrivont Pig and Hog Meal	Chewsville
Thrivont Turkey Starter and Growing Ration	Chewsville
G. D. Chinault, Seven Valleys, Pa.	
‡Wheat Bran	Parkton
*‡Wheat Middlings	Parkton
Clinton Co., Clinton, Iowa	
Clinton Corn Gluten Meal	Baltimore
Clinton Corn Gluten Feed	Baltimore
Clinton Sweetened Corn Gluten Feed	Baltimore
Herbert K. Clofine, Philadelphia, Pa.	
‡Supreme Brand Dried Buttermilk	Salisbury
Supreme Brand Dried Skim Milk	Hagerstown
J. Henry Clusman & Co., Baltimore, Md.	
34% Dairy	Perryman
Reliance 24% Dairy Feed	Baltimore
Reliance Laying Mash, with Cod Liver Oil	Baltimore
Reliance Laying Mash	Baltimore
The Cohn & Bock Co., Princess Anne, Md.	
‡C. & B. Growing Mash with, 4% Dried Milk and Cod Liver Oil	Princess Anne
C. & B. Broiler Ration	Princess Anne
C. & B. Broiler Ration	Princess Anne
C. & B. Pig and Hog Meal	Princess Anne
The G. E. Conkey Co., Cleveland, Ohio	
Conkeys Dairy Feed 32% Protein	Hagerstown
Conkey's Y-O (Brand) 32% Supplement Mash	Hagerstown
Conkey's Y-O (Brand) Egg Mash	Hagerstown
Conkey's Y-O (Brand) Kafmeal	Hagerstown
‡Conkey's Geccofat Station Fattener	Hagerstown
Conkey's Y-O	Hagerstown
Conkey's Y-O-(Brand) Turkey Developer	Hagerstown
‡Conkey's Y-O-(Brand) Pheasant and Quail Mash	Hagerstown
L. A. Conner, Newark, Md.	
Made-Well Laying Mash	Newark
Consolidated By-Product Co., Philadelphia, Pa.	
*50% Consolidated Beef and Bone Scrap	Lineboro
*50% Consolidated Beef and Bone Scrap	Berlin
*50% Consolidated Beef and Bone Scrap	Berlin
Consolidated Bone Meal	Berlin

* Deficient in pro ein or fa .
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.56	32.00	32.72	4.50	4.65	10.00	8.99	11.24	33.84	" "
9.38	24.00	27.32	4.50	4.56	10.00	8.97	9.91	39.86	" "
9.59	19.00	20.88	4.50	4.87	6.50	4.81	10.10	49.75	" "
8.01	19.00	19.32	5.00	5.02	8.00	5.14	10.06	52.45	" "
7.27	35.00	35.19	4.00	6.23	9.50	5.91	22.65	22.75	" "
8.53	17.00	17.79	4.50	4.72	6.50	5.14	6.97	56.85	" "
9.10	19.00	19.13	4.00	4.98	7.00	7.09	9.15	50.55	As declared on sack A.
8.47	13.00	14.04	3.00	4.19	10.00	10.32	6.45	56.53	" "
9.64	13.00	14.57	6.00	4.12	6.00	6.02	4.30	61.35	" "
7.10	43.00	43.61	1.00	2.69	4.00	4.77	1.45	40.38	" "
9.73	25.00	30.01	2.00	3.00	8.50	7.42	7.00	42.84	" "
7.14	20.00	21.37	1.00	2.26	7.00	6.67	7.93	54.63	" "
.....	32.00	33.52	5.00	X5.48	.....	.....	10.25	.....	As declared on sack
.....	32.00	34.75	.25	X.23	.....	.....	8.00	.....	" "
9.81	34.00	35.36	3.00	3.28	9.00	8.31	8.60	34.65	" "
9.20	24.00	23.65	3.50	3.46	6.00	10.32	10.94	42.43	B.
8.69	20.00	20.01	4.00	4.82	7.50	7.53	10.25	48.70	C.
9.77	20.00	20.36	4.00	4.76	7.00	7.41	12.85	44.85	As declared on sack
9.92	16.00	16.06	4.50	4.25	6.00	6.42	7.30	56.05	" "
8.74	18.00	19 13	3.50	4.63	6.00	5.68	10.40	51.42	" "
9.54	18.00	19.57	3.50	4.52	6.00	5.65	10.80	49.92	" "
9.99	16.00	17.55	4.00	5.88	5.00	4.79	7.00	54.79	" "
9.70	32.00	34.44	3.00	4.17	10.00	8.09	7.30	36.30	" "
7.80	32.00	32.99	5.00	5.33	8.00	6.03	4.70	43.15	" "
9.07	20.00	21.24	4.00	4.93	8.00	6.25	10.15	48.36	" "
9.43	24.00	24.57	4.00	4.38	6.00	5.35	6.20	50.07	" "
9.16	12.50	16.14	4.00	5.47	6.00	5.38	5.05	58.80	" "
5.89	30.00	30.27	12.50	20.47	6.00	5.52	4.70	33.15	" "
8.38	20.00	20.01	4.50	5.45	8.00	6.33	7.50	52.33	" "
8.92	24.00	24.13	4.00	5.09	7.00	5.17	8.05	48.64	" "
9.17	19.00	19.31	5.00	4.61	6.00	6.95	10.75	49.21	" "
6.03	50.00	45.88	7.00	9.55	3.00	1.54	39.35	.....	" "
5.58	50.00	45.78	7.00	10.06	3.00	1.52	37.60	.....	" "
5.68	50.00	46.16	7.00	10.05	3.00	1.58	36.40	.13	" "
3.41	5.00	5.79	.50	.19	4.00	.24	87.35	3.02	" "

A—Protein guarantee on sack differs from license.
B—Fat and Fibre guarantee and Ingredients on sack differ from licesne.
C—Fibre guarantee and Ingredients on sack differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Consolidated By-Product Co., Philadelphia, Pa. (Continued)	
*Consolidated Fish Meal	Berlin
Consolidated Feeding Tankage	Maugansville
The Continental Milling & Feed Co., Ellicott City, Md.	
*Milk-A-Lot Dairy Feed 32%	Ellicott City
Maryland Maide Dairy Feed 24%	Ellicott City
Continental Laying Mash	Ellicott City
Polka Dot Hog Meal	Ellicott City
Polka Dot Pig Meal	Ellicott City
Polka Dot Pigeon Feed	Ellicott City
Polka Dot Turkey Growing Mash	Ellicott City
Polka Dot Turkey Starting Mash	Ellicott City
Co-operative G. L. F. Mills, Inc., Buffalo, N. Y.	
‡Wheat Bran, with Ground Screen N. Ex. M. R.	Cardiff
Corn Products Refining Co., New York, N. Y.	
Diamond Corn Gluten Meal	Baltimore
Diamond Corn Gluten Meal	Hagerstown
Buffalo Corn Gluten Feed	Baltimore
Buffalo Corn Gluten Feed (Sweetened)	Mt. Airy
‡Co-Pro-Co Chips	Derwood
D. P. Darne, Sellman, Md.	
Darne's 32% Dairy Feed	Barnesville
Dawes Vitamelk Co., Chicago, Ill.	
Dawes Vitamelk Concentrate	Frederick
Delaware Mills, Inc., Deposit, N. Y.	
Delaware 32% Dairy Supplement	Ingleside
Delaware Sweet 24% Dairy Feed	Ingleside
*Indian Sweet 24% Dairy Feed	Ingleside
Indian Sweet 20% Dairy Feed	Ingleside
Indian Sweet 20% Dairy Feed	Ingleside
Indian Sweet 16% Dairy Feed	Chestertown
Delaware Laying Mash, (with Cod Liver Oil and D. S. M.)	Ingleside
Delco Laying Mash, (with Cod Liver Oil and D. S. M.)	Ingleside
*Delaware Growing Mash, (with Cod Liver Oil and D. S. M.)	Ingleside
Delaware Pig and Hog Feed	Ingleside
Delaware Pig and Hog Feed	Ingleside
*Delaware Milk Flushing Mash, with Cod Liver Oil	Federalsburg
Delco Starter & Broiler Ration, (with Cod Liver Oil and D.S.M.)	Ingleside
Delco Starter & Broiler Ration, (with Cod Liver Oil and D.S.M.)	Ingleside
Delaware Turkey Growing Mash, (with Cod Liver Oil and D.S.M.)	Ingleside
Del-Mar-Va Milling Co., Snow Hill, Md.	
Purity Egg Ration	Snow Hill
‡Stagg's Developing Ration	Snow Hill

* Deficit in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.25	55.00	53.47	8.00	9.10	2.00	.99	25.33	3.86	A.
6.87	60.00	62.74	6.00	9.68	3.00	3.19	16.90	.62	As declared on sack
9.46	32.00	30.74	4.00	3.83	10.00	8.01	10.61	37.35	" "
9.70	24.00	25.80	4.00	4.37	9.50	8.25	7.07	44.81	" "
10.56	20.00	20.36	5.00	4.91	6.00	5.97	9.05	49.15	B.
9.54	20.00	20.46	4.00	3.71	6.00	6.62	10.70	48.97	C.
10.54	18.00	18.95	4.00	4.25	7.00	6.34	8.55	51.37	As declared on sack
11.52	12.00	14.13	2 50	2.66	5.00	4.22	2.65	64.82	" "
8.29	20.00	21.76	4.00	5.11	7.00	6.83	10.25	47.76	" "
9.01	24.00	24.48	5.00	4.64	7.00	8.69	10.55	42.63	" "
9.11	14.00	16.85	3.50	3.98	12.00	11.25	6.40	52.41	" "
8.91	43.00	43.18	1.00	1.21	4.00	2.02	1.90	42.78	" "
8.87	43.00	42.99	1.00	1.79	4.00	2.36	1.00	42 99	" "
8.36	25.00	26.41	2.00	1.99	8.50	8.45	6.25	48.54	" "
9.89	20.00	20 71	1.00	1.76	7.00	6.99	6.25	54.40	" "
8.19	26.00	27.38	4.00	4.79	5.50	6.83	1.90	50.91	As declared on sack D
6.53	32.00	32.12	5.00	4.89	9.00	8.57	10.25	37.64	As declared on sack
6.07	18.00	21.15	7.00	7.33	2.50	.98	10.20	54.27	" "
11.91	32.00	33.86	4.00	4.07	9.00	6.94	6.81	36.41	E.
11.65	24.00	23.95	4.50	4.03	9.00	6.89	8.10	45.38	E.
9.71	24.00	25.76	4.00	3.49	12.00	10.26	6.59	44.19	E.
10.99	20.00	21.64	4.00	4.85	12.00	9.89	7.38	45.25	E.
9.74	20.00	21.30	4.00	3.94	12.00	10.35	6.83	47.84	E.
10.84	16.00	17.53	3.50	3.58	14.00	12.82	6.07	49.16	As declared on sack
9.93	20.00	19.95	5.00	5.54	7.00	6.94	8.70	48.94	" "
10.36	17.00	17.38	4.00	4.44	9.00	7.12	8.10	52.60	" "
9.02	17.00	18.95	5.00	4.14	6.50	6.34	9.25	52.30	" "
9.95	16.00	18.87	4.00	5.66	8.00	6.26	9.30	49.95	" "
10.26	16.00	17.11	4.00	5.27	8.00	6.89	5.35	55.12	" "
8.64	17.00	18.16	3.50	2.74	6.00	4.06	4.85	61.55	" "
9.64	18.00	18.52	4.50	4.93	6.00	6.38	9.25	51.28	F.
9.29	18.00	18.16	4.50	4.36	6.00	5.68	6.40	56.11	G.
8.34	20.00	19.93	4.00	4.64	7.00	6.96	8.15	51.98	As declared on sack
9.95	18.00	18.34	4.00	4.66	8.00	6.78	9.15	51.12	D.
9.61	17.00	20.53	4.00	4.39	6.00	7.09	8.70	49.68	As declared on sack

A—Also Bone present at least 5% added.
B—Ingredients on sack differ from license.
C—No ingredients listed on sack.
D—Fibre guarantee on sack differs from license.
E—Unable to detect Linseed Oil Meal.
F—Also detected Corn Gluten.
G—Also detected Peanut Oil Meal and Corn Gluten.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Derwood Mill, Derwood, Md.	
Derwood 26% Dairy Feed	Derwood
Derwood 20% Dairy Feed	Derwood
Derwood 16% Dairy Feed	Derwood
Derwood Laying Mash	Derwood
Derwood Growing Mash	Derwood
Derwood Turkey Mash	Derwood
Devilbiss Brothers, New Windsor, Md.	
A-1 Laying Mash	New Windsor
The Dewey Brothers Co., Blanchester, Ohio	
Rye Distillers Dried Grains	Baltimore
‡Rye Distillers Dried Grains	Maugansville
‡Rye Distillers Dried Grains	Bel Air
Dickey Brothers, Washington, D. C.	
Capitol Dairy Feed	Hyattsville
Capitol Dairy Feed	Hyattsville
Capitol Growing Grains	Hyattsville
Dietrich & Gambrill, Inc., Frederick, Md.	
Gambrill's High Protein Dairy Feed	Baltimore
Gambrill's High Protein Dairy Feed	Sykesville
Frederick Dairy Feed	Laurel
D. & G. Dairy Feed	Baltimore
Gambrill's 16% Dairy Feed	Sykesville
Gambrill's Laying Mash	Laurel
Gambrill's Laying Mash	Laurel
Gambrill's Growing Mash	Laurel
D. & G. Broiler Mash	Waldorf
D. & G. Poultry Conditioning Ration	Centreville
D. & G. Hog Feed Supplement	Hagerstown
D. & G. Pig and Hog Meal	Baltimore
D. & G. Pig and Hog Meal	Laurel
All Mash Starter and Grower	Waldorf
All Purpose Complete Ration Starter-Grower-Layer	Laurel
Gambrill's Developing Scratch	Laurel
D. & G. Turkey Growing Mash	Sykesville
D. & G. All Mash Turkey Starter	Lutherville
D. & G. All Mash Turkey Starter	Sykesville
T. M. Dinsmore & Co., Baltimore, Md.	
*Dinsco 28 Corn Distillers Grains	Baltimore
William H. Dolbey, White Haven, Md.	
Dolbey's Best Ultra-Lifed 18% Laying Mash	White Haven
‡Dolbey's Best Ultra-Lifed Growing Mash	White Haven
Dolbey's Best Ultra-Lifed All-In-One Hog Feed	White Haven
Dry Milk Products Co., Columbus, Ohio	
Pure Dry Skimmilk	Frederick

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.94	26.00	26.73	4.00	4.21	10.00	9.36	5.99	44.77	B.
12.01	20.00	19.09	3.00	3.53	12.00	8.70	7.74	48.93	B.
12.51	16.00	17.29	3.00	3.49	12.00	9.32	5.53	51.86	B.
9.95	20.00	21.02	4.00	4.66	8.00	6.51	9.83	48.03	B.
8.01	19.00	20.03	4.00	4.33	7.00	6.65	10.23	50.75	B.
8.79	21.00	21.59	4.00	4.66	7.00	9.97	13.45	41.54	B.
7.95	20.00	20.01	4.00	4.75	8.00	7.02	7.55	52.72	As declared on sack
6.02	16.00	16.76	5.00	5.95	18.00	14.33	1.30	55.64	" "
6.60	16.00	17.11	5.00	6.55	18.00	15.84	1.75	52.15	" "
7.13	16.00	17.20	5.00	6.04	18.00	14.58	1.30	53.75	" "
9.91	20.00	20.71	4.00	4.68	11.00	10.18	5.60	48.92	" "
10.25	20.00	21.50	4.00	5.33	11.00	8.15	6.25	48.52	" "
11.37	10.00	9.48	3.00	3.39	3.00	2.08	1.65	72.03	" "
10.06	32.00	31.48	4.00	4.53	9.00	9.00	7.20	37.73	As declared on sack A.
8.67	32.00	32.81	4.00	4.59	9.00	9.65	6.74	37.54	As declared on sack A.
11.01	24.00	25.01	4.00	3.93	12.00	10.60	7.19	42.26	B.
8.10	20.00	20.70	4.00	4.51	12.00	10.98	7.79	47.74	As declared on sack
10.53	16.00	17.16	3.50	4.04	12.00	11.94	6.74	49.59	" "
8.66	20.00	21.50	5.00	5.48	7.00	6.69	8.85	48.82	" "
9.11	20.00	20.01	5.00	4.85	7.00	6.14	9.60	49.59	" "
10.55	18.00	18.43	4.00	4.92	7.00	5.34	6.80	53.96	" "
8.26	18.00	18.87	4.00	3.96	7.00	6.63	10.85	15.43	" "
9.59	15.00	17.38	6.00	5.69	6.00	4.45	9.85	53.04	" "
7.12	40.00	39.93	4.00	4.93	9.00	5.59	18.50	23.93	" "
10.79	18.00	20.17	4.00	4.02	8.00	6.86	8.25	49.91	" "
11.02	18.00	19.22	4.00	4.14	8.00	5.56	6.60	53.46	" "
8.94	16.00	17.90	4.00	4.05	6.00	4.94	7.00	57.17	" "
11.14	15.00	16.67	4.00	4.41	7.00	5.63	7.25	54.90	" "
12.32	10.00	9.13	2.50	2.84	3.00	1.49	1.25	72.97	" "
9.91	20.00	20.88	4.00	5.25	8.00	5.99	11.30	46.67	" "
11.23	24.00	24.31	4.50	4.54	7.00	6.35	12.20	41.37	" "
9.89	24.00	23.69	4.50	5.22	7.00	5.30	12.30	43.60	" "
5.83	28.00	28.17	12.00	9.59	14.00	14.11	1.75	40.54	" "
9.69	18.00	20.18	4.00	4.45	7.50	5.50	9.65	50.53	" "
9.97	16.00	17.55	3.75	4.62	6.50	6.14	6.95	54.77	" "
10.74	15.00	15.27	4.00	3.81	7.25	3.79	6.35	60.04	As declared on sack C.
.....	32.00	36.33	.50	X .52	.....	.....	7.95	.....	As declared on sack

A—Fat guarantee on sack differs from license.
B—Ingredients on sack differ from license.
C—Fat and Fibre guarantee on sack differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Dryden Milling Co., Pocomoke City, Md.	
Dryden's Laying Mash	Pocomoke City
Dryden's Growing Mash	Pocomoke City
Dryden's Broiler Mash	Pocomoke City
Ezl. Dunwoody Co., Philadelphia, Pa.	
‡Super X Fifty Meat and Bone Scrap	**Elkton**
Eagle Mills, Pocomoke City, Md.	
‡Dryden's Pure Fish Meal	Berlin
R. C. D. Growing Mash	Pocomoke City
Old Virginia Broiler Ration	Pocomoke City
Dryden's Hog Meal	Pocomoke City
Turkey Trot Grower	Pocomoke City
Turkey Trot Starter	Pocomoke City
The Early & Daniel Co., Cincinnati, Ohio	
*Tuxedo Special 24% Dairy	Friendsville
Tuxedo Special 20% Dairy	Frostburg
Tuxedo Dairy 16%	Frostburg
Tuxedo Special 16% Dairy	Friendsville
Tuxedo Special Egg Mash	Friendsville
Tuxedo Growing and Developing Mash	Frostburg
Tuxedo Chop	Friendsville
Tuxedo Pig Meal	Friendsville
Tuxedo Pork Maker	Friendsville
Cincy Scratch	Frostburg
Tuxedo Turkey Growing and Developing Mash	Pocomoke City
Eastern Grain Growers, Hagerstown, Md.	
Magic Poultry Mash	Hagerstown
Magic Hog Ration	Hagerstown
Eastern Service Corp., Cambridge, Md.	
"Esco" No. 1 Egg Mash	Cambridge
"Esco" Growing Mash	Cambridge
Eastern Shore Feed Co., Easton, Md.	
"Sure-Gain" Broiler Mash	Easton
‡"Sure-Gain" Turkey Grower	Easton
‡"Sure-Gain" Turkey Starter	Easton
Eastern States Farmers' Exchange, Springfield, Mass.	
Fulpail	Salisbury
Egg Mash	Salisbury
Egg Mash	Salisbury
Egg Mash Pellets	Salisbury
Flushing Mash	Salisbury
Breeder Mash	Salisbury
Horse Feed	Salisbury
Hog Meal	Salisbury
Developer	Salisbury

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.59	18.00	18.95	4.50	5.48	8.00	8.39	9.00	48.59	" "
10.19	16.00	17.29	3.50	5.08	5.00	5.43	7.95	54.06	" "
9.66	17.50	18.25	4.00	3.94	6.00	6.68	9.15	52.32	B.
6.68	50.00	55.19	6.00	13.10	3.00	2.79	22.15	.09	As declared on sack
6.61	55.00	60.99	7.00	7.69	3.00	.27	19.00	5.44	" "
9.51	16.00	16.58	4.00	4.59	7.00	4.57	7.45	57.30	" "
9.74	18.00	20.27	5.00	6.04	6.00	4.54	9.70	49.71	" "
10.07	18.00	18.87	4.00	4.78	7.00	5.65	6.90	53.73	" "
9.56	20.00	20.27	5.00	6.33	6.00	6.19	7.85	49.80	" "
9.98	26.00	26.32	5.00	5.30	6.00	5.74	10.30	42.36	" "
10.07	24.00	24.91	4.00	3.36	12.00	8.85	8.46	44.35	" "
11.17	20.00	19.94	3.75	3.59	12.00	8.34	8.54	48.42	" "
10.06	16.00	17.66	3.50	3.10	12.50	10.79	8.46	49.93	" "
10.51	16.00	16.47	3.00	3.68	12.50	6.88	6.66	55.80	" "
9.98	20.00	20.95	4.00	4.41	8.00	6.97	9.30	48.39	" "
9.96	17.00	17.40	4.00	4.19	6.50	7.04	7.32	54.09	" "
9.94	9.50	10.50	3.00	2.74	9.00	9.34	5.04	62.44	" "
10.36	14.50	14.83	4.00	4.41	7.00	5.55	7.63	57.22	" "
10.39	15.50	17.49	4.00	4.97	6.00	5.07	8.05	54.03	" "
11.58	9.00	9.65	2.50	2.42	5.00	1.99	1.90	72.46	" "
9.14	21.00	20.97	4.50	5.39	6.00	6.00	8.60	49.90	" "
9.57	16.00	18.60	4.00	4.17	6.00	4.38	7.40	55.88	A.
9.04	20.00	21.67	5.00	4.93	5.00	7.45	6.30	50.61	C.
8.58	18.50	19.83	4.00	4.95	7.50	6.43	10.10	50.11	As declared on sack
8.86	18.00	21.76	4.00	5.49	7.00	7.69	11.85	44.35	" "
9.79	18.00	19.74	4.00	4.61	6.00	5.55	8.55	51.76	As declared on sack
9.07	20.00	20.53	4.00	4.62	6.00	5.89	8.65	51.24	" "
8.99	26.00	25.23	5.00	4.88	6.00	5.34	10.90	44.66	" "
11.34	20.00	22.02	4.00	4.80	8.50	7.02	6.34	48.48	" "
8.43	20.00	20.97	4.00	5.04	6.50	5.95	10.10	49.51	" "
8.17	20.00	20.80	4.00	4.56	6.50	5.49	12.65	48.33	" "
9.41	20.00	22.46	4.00	4.93	6.50	6.28	10.05	46.87	" "
7.51	18.50	19.57	3.50	3.52	4.50	4.45	8.25	56.70	D.
8.61	20.00	21.59	4.00	4.78	6.00	5.65	13.20	46.17	As declared on sack
11.28	10.50	11.43	3.00	3.57	7.00	6.88	4.05	62.79	" "
8.51	14.50	16.41	4.00	4.19	5.00	4.79	7.90	58.20	" "
10.24	18.50	18.88	3.75	4.27	6.50	6.30	7.67	52.64	" "

A—Fat and Fibre guarantee and ingredients on sack differ from license.
B—Also detected Epsom Salts.
C—Fibre guarantee and ingredients on sack differs from license.
D—Fat guarantee and ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Eastern States Earmers' Exchange, Springfield, Mass. (Continued)	
Developer	Snow Hill
Fattener Mash Pellets	Salisbury
Starting and Broiler	Salisbury
Starting and Broiler	Snow Hill
Turkey-Grow	Salisbury
Easton Milling Co., Easton, Md.	
Talbot 32% Special	Easton
Talbot Laying Mash	Easton
†Talbot Laying Mash	Easton
Talbot Pasture Feed	Easton
Talbot Starting and Growing Mash, with DM	Easton
B. A. Eckhart Milling Co., Chicago, Ill.	
Pure Wheat Bran	Laurel
The Eichman Co., Union Bridge, Md.	
Eichman's Big Check Dairy Feed 24%	Union Bridge
*Eichman's Echo Brand Egg Mash	Union Bridge
Eichman's 20% Ultra-Lifted Laying Mash	Union Bridge
Englar & Sponseller, Westminster, Md.	
Pure Wheat Bran	Westminster
Wheat Middlings, with M. R. S.	Westminster
John W. Eshelman & Sons, Lancaster, Pa.	
*Eshelman Red Rose O. P. Soybean Oil Meal	Sudlersville
‡Eshelman Red Rose Brewers Dried Grains and Molasses	Ridgely
‡Eshelman Red Rose Brewers Dried Grains	Fredericktown
*Eshelman Red Rose 32 Mixing Ration	Elkton
Eshelman Challenge Dairy Feed	Aldino
Eshelman Red Rose 24 Dairy Feed	Elkton
Eshelman Red Rose 24 Dairy Feed	Baltimore
Eshelman Conestoga 20 Dairy Feed	Aldino
Eshelman Conestoga 20 Dairy Feed	Hagerstown
Eshelman Pennsy 16 Dairy Feed	Aldino
Eshelman Pennsy 16 Dairy Feed	Norbeck
Eshelman Pennsy 16 Dairy Feed	Hagerstown
Eshelman Red Rose Laying Mash, with Cod Liver Oil	Salisbury
Eshelman Red Rose Laying Mash, with Cod Liver Oil	Elkton
Eshelman Pennsy Laying Mash	Annapolis
Eshelman Red Rose Growing Mash, with Cod Liver Oil	Annapolis
Eshelman Red Rose Growing Mash, with Cod Liver Oil	Salisbury
Eshelman Garden Spot Horse Feed	Salisbury
‡40% Hog Meal	Bel Air
Eshelman Red Rose Pig and Hog Meal	Berlin
Eshelman Red Rose Pig and Hog Meal	Hagerstown
Eshelman Red Rose Calf Starter	Elkton
Eshelman Red Rose Fitting Ration	Elkton
Eshelman Red Rose Broiler Ration, with Cod Liver Oil	Pittsville
Eshelman Red Rose Chick Starter, with Cod Liver Oil	Elkton

* Deficient in protein or fat.
† Deficient in both protein and fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.61	18.50	20.53	3.75	4.14	6.50	6.78	9.65	49.29	" "
9.85	14.50	15.27	4.00	4.50	5.00	4.71	3.25	62.42	" "
9.36	18.50	20.54	4.00	4.91	5.00	4.81	7.97	52.41	" "
9.09	18.50	20.18	4.00	4.69	5.00	4.95	7.75	53.34	" "
8.67	20.00	23.78	4.00	4.31	5.50	5.23	9.00	49.01	" "
9.54	32.00	33.94	4.50	5.29	9.00	10.65	7.56	33.02	B.
9.02	18.00	18.06	5.00	5.22	6.00	6.59	10.40	50.71	C.
9.56	18.00	16.19	4.50	3.07	8.00	4.88	10.00	56.30	D.
10.80	16.00	17.23	3.00	3.70	10.00	8.33	6.28	53.66	As declared on sack
8.51	18.00	18.69	4.50	4.43	6.00	6.03	11.80	50.54	E.
8.27	14.00	16.23	3.50	4.36	12.00	10.00	7.55	53.59	As declared on sack
9.45	24.00	24.97	4.00	4.43	10.00	9.17	7.11	44.87	As declared on sack
9.77	16.00	15.99	4.00	3.49	6.00	5.12	10.95	54.68	" "
9.33	20.00	20.49	4.00	4.94	7.50	5.25	9.38	50.61	" "
8.76	14.00	14.48	3.28	4.09	10.27	10.72	7.75	54.20	" "
8.31	16.00	15.97	4.00	4.52	6.00	5.64	3.80	61.76	" "
8.83	41.00	44.75	5.00	4.27	7.00	5.78	5.90	30.47	" "
11.41	19.50	21.16	4.50	4.49	15.00	13.26	3.96	45.72	" "
8.72	24.00	23.52	5.00	6.07	18.00	18.51	4.45	38.73	" "
9.19	32.00	30.78	4.50	4.58	9.00	7.33	6.86	41.26	" "
11.04	24.00	23.99	4.00	4.48	11.00	8.77	7.59	44.13	" "
10.05	24.00	26.24	4.00	5.26	11.00	8.49	6.93	43.03	" "
9.55	24.00	24.72	4.00	4.44	11.00	7.98	5.86	47.45	" "
11.10	20.00	21.80	4.00	3.80	11.00	8.66	7.50	47.14	" "
9.85	20.00	21.09	4.00	4.15	11.00	9.38	7.18	48.35	" "
11.62	16.00	17.67	3.00	4.33	11.00	11.00	8.87	46.51	" "
11.56	16.00	17.63	3.00	3.59	11.00	10.46	9.59	47.17	" "
8.17	16.00	18.01	3.00	3.35	11.00	10.53	8.26	51.68	" "
9.13	20.00	21.67	5.00	5.78	7.50	6.28	8.55	48.59	" "
8.56	20.00	20.80	5.00	5.07	7.50	7.41	9.10	49.06	" "
7.45	18.00	20.20	5.00	5.29	9.00	8.82	9.54	48.70	" "
9.68	16.00	17.64	4.00	4.36	7.50	6.92	6.70	54.70	" "
9.04	16.00	18.69	4.00	5.32	7.50	7.48	7.40	52.07	" "
10.86	7.00	8.29	2.00	3.06	11.00	10.99	4.86	61.94	" "
8.98	40.00	40.37	4.50	6.09	9.00	8.51	11.40	24.65	" "
8.05	16.00	20.01	5.00	5.08	10.00	9.80	8.05	49.01	" "
9.20	16.00	18.78	5.00	5.29	10.00	9.04	6.55	51.14	" "
9.99	20.00	22.73	3.00	4.21	5.00	5.06	5.35	52.66	" "
11.11	12.00	14.19	3.50	5.25	7.00	7.32	6.67	55.47	" "
8.04	17.00	19.48	4.50	4.61	7.50	7.44	7.25	53.18	" "
8.81	17.50	19.39	4.00	4.11	6.00	5.31	7.80	54.58	" "

B—Also detected Steamed Bone Meal.
C—Fat and Fibre guarantee and ingredients on sack differ from license.
D—Ingredients on sack differ from license.
E—Fibre guarantee and ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
John W. Eshelman & Sons, Lancaster, Pa. (Continued)	
Eshelman Lancaster Pigeon Feed	Elkton
Eshelman Red Rose Turkey Grower, with Cod Liver Oil	Salisbury
Eshelman Red Rose Turkey Grower, with Cod Liver Oil	Annapolis
Eshelman Red Rose Turkey Starter, with Cod Liver Oil	Annapolis
Fairfield Western Maryland Dairy, Baltimore, Md.	
Fairfield Western Md. Dairy Skim Milk Powder	Princess Anne
Farmers Cooperative Association, Inc., Frederick, Md.	
Brewers Grains and Molasses	Frederick
Brewers Grains and Molasses	Hagerstown
Farco 32% Supplement	Frederick
Farco 16% Dairy Feed	Frederick
Farco Egg Producer	Frederick
Farco Special Hog Feed	Frederick
Farco Turkey Starting Mash	Frederick
Farmers Feed Co., Buffalo, N. Y.	
"Bull Brand" Dried Brewers Grains	Ellicott City
Farmers Fertilizer & Feed Co., Westminster, Md.	
Farmers 24% Dairy Feed	Westminster
Farmers Favorite Laying Mash	Westminster
Farmers Favorite Pig Meal	Westminster
Feed Mor Products Co., Westminster, Md.	
Meat Meal	Westminster
Tankage	Westminster
Ferneau Grain Co., Blanchester, Ohio	
F. Corn Distillers Dried Grains	Baltimore
F. Corn Distillers Dried Grains	Adamstown
F. Distillers Dried Grains	Hagerstown
The Fox Co., Newfield, N. J.	
Fox Fish Meal	Denton
Fullerton Supply Co., Overlea, Md.	
Fullerton Laying Mash	Overlea
Funk Brothers Seed Co., Bloomington, Ill.	
Funk's Soy Bean Oil Meal	Chewsville
The Gambrill Grain Products Co., Baltimore, Md.	
Skor 20% Dairy Feed	Baltimore
Gambrill's AA. Laying Mash	Baltimore
Gardiner & Yowaski Milling Co., Chaptico, Md.	
*Chaptico Laying Mash	Chaptico
Superior Growing Mash, with Cod Liver Oil and BM.	Chaptico

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
11.04	12.00	14.13	3.00	3.15	4.00	2.88	2.05	66.75	"	"
8.09	18.00	19.57	4.25	4.68	8.50	9.70	7.70	50.26	"	"
9.15	18.00	18.78	4.25	5.38	8.50	8.13	7.00	51.56	"	"
9.22	24.00	24.92	4.50	5.24	6.00	5.18	10.95	44.49	"	"
.....	35.00	37.38	.50	X.74	.....	.....	8.30	.....	"	"
8.50	22.00	23.91	5.00	5.70	15.00	15.38	4.05	42.46	"	"
9.06	22.00	23.97	5.00	6.44	15.00	13.88	4.44	42.41	"	"
8.81	32.00	33.94	3.00	4.97	7.00	7.23	12.13	32.92	A.	
9.93	16.00	20.50	3.00	4.78	14.00	8.24	8.23	48.32	A.	
9.73	20.00	19.13	4.00	4.05	7.00	5.97	8.60	52.52	A.	
9.44	16.50	17.46	4.50	4.29	5.50	5.55	7.55	55.71	A.	
8.79	24.00	24.13	4.00	5.57	6.50	5.88	9.85	45.78	A.	
8.79	26.00	25.01	6.00	6.16	17.00	15.91	3.65	40.48	As declared on sack	
8.33	24.00	26.68	4.00	4.14	12.00	10.15	6.40	44.30	"	"
8.59	20.00	19.13	4.50	4.43	10.00	8.46	7.35	52.04	"	"
8.29	18.00	18.25	5.00	5.98	10.00	5.09	7.30	55.09	"	"
6.51	55.00	57.39	5.00	11.76	4.00	2.16	21.15	1.03	"	"
5.95	45.00	50.20	5.00	12.64	2.50	1.75	27.75	1.71	"	"
5.69	28.00	27.99	9.00	9.99	14.00	12.47	3.40	40.46	"	"
7.23	28.00	29.22	9.00	9.15	14.00	12.44	3.10	38.86	"	"
6.41	24.00	24.13	6.00	6.77	16.00	11.63	1.70	49.36	"	"
8.33	55.00	58.45	3.00	5.59	3.00	.52	17.20	9.91	"	"
8.68	20.00	21.15	4.50	4.73	6.50	6.26	10.75	48.43	A.	
8.22	41.00	42.65	4.50	5.45	7.00	6.16	6.20	31.32	As declared on sack	
9.27	20.00	23.53	4.00	4.04	13.00	10.42	6.56	46.18	"	"
9.67	20.00	20.45	3.50	5.09	8.00	5.27	9.15	50.37	"	"
8.75	20.00	18.74	5.00	4.57	6.50	5.34	8.05	54.55	"	"
8.81	17.00	17.90	4.25	5.16	5.00	7.50	9.75	50.88		

A—Ingredients on sack differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
General Mills, Inc., Minneapolis, Minn.	
Washburn's Gold Medal Hard Wheat Standard Middlings and Wheat Screenings	Hagerstown
Georgia Distributing Co., Atlanta, Ga.	
‡Gold Dust Brand Cottonseed Meal	La Plata
‡Gold Dust Brand Cottonseed Meal	Derwood
Glade Valley Milling Co., Walkersville, Md.	
†Gee Vee 32% Dairy Feed	Walkersville
Gee Vee 20% Dairy Feed	Walkersville
Gee Vee 18% Laying Mash	Walkersville
The Glidden Co., Chicago, Ill.	
Glidden 4 Hi New Process Diamond "G" Soybean Meal	Rising Sun
Glidden 4 Hi New Process Diamond "G" Soybean Meal	Sykesville
Golden Eagle Milling Co., Petaluma, Calif.	
Peebles Lacto-G. Dried Whey	St. Michaels
Goldsboro Milling Co., Goldsboro, Md.	
Marvel's Egg Mash	Goldsboro
Wm. Gower & Son, Williamsport, Md.	
Hog Feed	Williamsport
The Great Atlantic & Pacfic Tea Co., New York, N. Y.	
Daily Egg Laying Mash Feed	Baltimore
Daily Growth Growing Mash	Baltimore
Daily Scratch Feed	Baltimore
Green Acre Farms, Nazareth, Pa.	
Alfalfa Meal	Hagerstown
W. D. Groff, Owings Mills, Md.	
Wil-Gro Laying Mash	Owings Mills
Hales & Hunter Co., Chicago, Ill.	
Special Red Horn 24% Dairy Feed	Cumberland
Special Red Horn 20% Dairy Feed	Cumberland
Gold Flake 16% Dairy Feed	Baltimore
Gold Flake 16% Dairy Feed	Cumberland
Red Comb Egg Mash	Cumberland
Red Comb Crate Fattener	Baltimore
Pioneer Pig and Hog Feed 20%	Cumberland
Pioneer Pig and Hog Feed 20%	Annapolis
Red Comb Turkey Balancer	Baltimore
Red Comb Turkey Grower	Annapolis
Red Comb Turkey Grower	Cumberland
Red Comb Turkey Grower (Pellets)	Baltimore
Red Comb Turkey Starter	Annapolis

† Deficient in both protein and fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.21	15.00	17.02	4.00	4.66	9.50	8.50	5.40	54.21	As declared on sack
7.18	41.00	41.07	5.00	5.98	10.00	13.18	4.90	27.69	As declared on sack A.
7.61	41.00	42.74	5.00	6.01	10.00	10.13	6.45	27.06	As declared on sack A.
7.04	32.00	30.01	6.00	5.09	11.00	8.71	10.70	38.45	" "
8.15	20.00	21.59	3.00	3.03	9.00	8.33	8.40	50.50	B.
8.22	18.00	19.22	4.00	5.54	7.50	4.55	9.83	52.64	B.
8.43	44.00	45.28	.50	.52	7.00	6.16	6.45	33.16	" "
8.79	44.00	46.02	.50	.60	7.00	6.44	6.15	32.06	" "
.....	12.00	12.37	.50	X .53	.....	.....	10.60		" "
8.94	20.00	19.94	4.50	4.23	9.00	8.84	10.20	47.85	" "
9.18	16.00	15.93	4.00	4.34	8.00	4.84	4.53	61.18	As declared on sack A.
7.93	20.00	21.06	4.00	5.29	6.50	6.89	12.30	46.53	" "
8.55	17.50	18.78	4.00	5.19	6.50	6.92	10.35	50.21	" "
10.96	10.00	9.83	2.50	2.59	5.00	2.31	1.65	72.66	E.
5.83	13.00	15.53	1.50	2.27	33.00	25.74	13.70	36.93	As declared on sack
7.57	18.00	18.08	5.00	4.74	8.00	7.07	9.90	52.64	" "
9.13	24.00	25.32	3.50	3.39	12.00	8.93	8.78	44.45	" "
9.97	20.00	21.91	3.50	3.04	12.00	9.38	8.03	47.67	" "
11.50	16.00	19.23	3.00	3.02	15.00	10.76	7.83	47.66	" "
9.06	16.00	18.17	3.00	3.18	15.00	11.73	8.67	49.19	" "
9.11	18.00	18.95	4.00	4.96	7.00	7.05	9.70	50.23	" "
9.95	13.00	15.09	4.00	3.46	6.00	6.49	3.45	61.56	" "
8.92	20.00	21.75	3.00	4.12	7.00	6.84	10.71	47.66	As declared on sack F.
7.59	20.00	22.12	4.00	5.27	7.00	7.47	10.58	46.97	" "
7.85	32.00	32.56	4.00	4.94	7.50	7.31	19.40	27.94	" "
8.45	21.00	23.52	4.00	5.06	7.00	6.37	9.75	46.85	B.
9.59	21.00	22.11	4.00	4.04	7.00	6.46	8.75	49.05	As declared on sack
8.78	21.00	22.38	4.00	4.35	7.00	6.02	11.15	47.32	" "
8.82	25.00	26.15	6.00	5.53	5.00	5.58	9.35	44.57	" " D.

A—Fibre guarantee on sack differs from license.
B—Ingredients on sack differ from license.
D—Fat and Fibre guarantee on sack differ from license.
E—Unable to detect Oats.
F—Fat guarantee on sack differs from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hampstead Fertilizer Co., Hampstead, Md.	
R-E-M Home Made Laying Mash	Hampstead
Home Made Hog Feed	Hampstead
Hancock Flour & Feed Co., Hancock, Md.	
Potomac Laying Mash	Hancock
Frank Harbaugh, Middleburg, Md.	
Use More Dairy Feed	Middleburg
Use More Egg and Growing Mash	Middleburg
*Use More Pig and Hog Meal	Middleburg
Hecker-Jones-Jewell Milling Division of Standard Milling Co., Buffalo, N. Y.	
Wheat Standard Middlings, with Ground Screen N. Ex. M. R.	Baltimore
Hercules Powder Co., Dairy Products Division, Chicago, Ill.	
Hercules Dried Whey	Hagerstown
Hershey Milling Co., Inc., Hagerstown, Md.	
Hershey Pure Wheat Bran	Hagerstown
Hershey Fancy Wheat Middlings, with Screen N. Ex. M. R.	Hagerstown
Hespenheide & Thompson, Inc., York, Pa.	
‡Brewers Dried Grains and Molasses	Denton
York Laying Mash	Parkton
Premier Growing Mash, with Cod Liver Oil	Parkton
Premier Starting and Growing Mash, with Cod Liver Oil	Parkton
Premier Turkey Developer	Parkton
John P. Howard, Hagerstown, Md.	
*Howards Poultry Mash	Hagerstown
Hubbard Milling Co., Mankato, Minn.	
Hubbard's Sunshine Concentrate, with Cod Liver Oil	Easton
The Humphries Supply Co., Glyndon, Md.	
Wheeler Special Laying Mash	Glyndon
The Hunter Milling Co., Wellington, Kan.	
‡Wheat Bran and Ground Wheat Screenings	Easton
Huston, Culver & Co., Inc., Seaford, Del.	
Fish Meal	Berlin
Independent Mfg. Co., Philadelphia, Pa.	
Independent's 50% Meat Scrap and Bone	Westover
Ingleside Milling Co., Ingleside, Md.	
Ingleside Laying Mash	Ingleside
Ingleside Turkey Mash	Ingleside

* Deficient in protein or fat.
† Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients		
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found					
8.15	20.00	20.01	4.50	4.92	8.00	8.21	8.85	49.86	C.		
8.40	15.00	15.97	4.00	4.74	8.00	5.95	6.85	58.09	As declared on sack		
8.75	20.00	19.74	4.00	4.03	7.00	7.17	7.95	52.36	"	"	A.
9.73	16.50	20.74	4.00	4.39	10.00	7.95	4.58	52.61	"	"	
8.51	20.00	20.01	4.00	5.22	7.00	6.14	7.65	52.47	"	"	
9.15	19.00	17.29	5.00	4.92	5.00	4.81	8.50	55.33	"	"	
10.07	15.00	19.48	4.00	5.40	9.50	8.17	5.80	51.08	"	"	
.....	11.50	12.46	.20	X.57	.....	.....	11.15	.....	"	"	
9.99	15.00	15.09	4.00	4.32	9.50	9.38	6.25	54.97	"	"	
9.91	15.50	14.57	4.00	3.83	6.00	3.32	3.05	65.32	"	"	
10.69	18.00	21.30	4.00	3.99	18.00	13.40	4.86	45.76	"	"	
9.39	20.00	20.43	3.00	4.28	7.00	7.06	9.28	49.46	"	"	
8.24	17.00	21.41	4.00	4.74	7.00	7.29	9.90	48.43	"	"	
8.79	16.00	18.08	4.00	4.53	6.00	5.31	8.15	55.14	"	"	
9.16	20.00	21.06	3.50	3.87	8.00	6.77	10.30	48.84	"	"	
8.72	18.00	19.57	5.00	4.50	7.00	4.79	13.00	49.42	"	"	
6.92	32.00	31.96	5.00	5.55	7.00	6.68	14.20	34.69	"	"	
8.01	20.00	20.01	4.50	4.33	7.00	8.22	11.55	48.88	"	"	
10.24	14.50	15.97	3.50	3.98	11.00	10.72	6.60	52.49	"	"	
8.55	55.00	58.53	4.00	6.57	1.00	.55	20.20	5.60	"	"	
5.95	50.00	51.77	8.00	10.41	3.00	2.36	28.13	1.38	"	"	
10.30	17.00	17.72	3.50	4.12	9.50	7.22	10.55	50.09	"	"	
9.28	20.00	22.82	4.00	4.25	10.00	7.65	16.05	39.95	"	"	A.

A—Fibre guarantee on sack differs from license.
C—Ingredients on sack differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
International Milling Co., Minneapolis, Minn.	
Blackhawk Wheat Red Dog	Baltimore
James Ireland Mill, Easton, Md.	
Hog Feed	Easton
Kasco Mills, Inc., Waverly, N. Y.	
*Kasco 32% Mixing Feed	Chestertown
Oc-Sak 24% Dairy Feed	Hancock
Beatsall Milk Grains	Chestertown
Beatsall Milk Grains	Cumberland
Apex 20% Dairy Ration	Cumberland
Kasco Sweet 16% Dairy Feed	Hancock
Apex Laying Mash	Chestertown
Kasco Laying Mash	Hagerstown
Oc-Sak Laying Mash	Hancock
Apex Complete Grower	Chestertown
*Kasco Poultry Flushing Mash	Baltimore
Kasco Fitting Ration	Chestertown
*‡Kasco Fitting Ration	Baltimore
‡Oc-Sak Horse Feed	Hancock
‡Oc-Sak Pig-An-Hog Ration	Hagerstown
Kasco Pig Hog Feed	Hancock
Apex Starter	Chestertown
Kasco Turkey Grower	Baltimore
Kasco Turkey Starter	Chestertown
The Keedysville Milling Co., Inc., Keedysville, Md.	
*Eureka Laying Mash	Keedysville
F. P. Keppel, Rising Sun, Md.	
*Laying Mash	Rising Sun
The Key Grain & Feed Co., Keymar, Md.	
The Key 32% Dairy Ration	Detour
The Detour Laying Mash	Detour
The Key Laying Mash	Detour
The Key Pig Meal	Detour
Keystone Milling Co., Littlestown, Pa.	
‡Pure Wheat Bran	Fowblesburg
‡Soft Wheat Middlings, with Ground Screenings	Fowblesburg
King Brothers & Co., Philadelphia, Pa.	
King's Dried Buttermilk	Denton
King's Dried Skim Milk	Salisbury
Kline Brothers, Inc., Boonsboro, Md.	
Kline Brothers Egg Mash	Boonsboro
Kline Brothers Pig and Hog Meal	Boonsboro

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.16	16.00	19.31	3.50	5.15	4.00	4.29	3.25	58.84	As declared on sack
10.78	16.00	15.98	2.75	3.20	5.00	4.37	7.10	58.57	B.
9.90	32.00	27.94	5.00	5.27	10.00	7.93	8.12	40.84	" "
9.29	24.00	25.90	3.50	4.44	12.00	11.07	8.02	41.28	" "
10.74	22.00	23.89	4.00	4.60	10.00	7.64	8.33	44.80	" "
10.48	22.00	22.31	4.00	5.47	10.00	7.31	6.44	47.99	" "
8.90	20.00	21.61	3.50	3.90	12.00	11.19	8.58	45.82	" "
8.93	16.00	16.95	3.50	3.67	12.00	10.98	8.87	50.60	" "
9.04	20.00	21.15	4.00	4.46	8.50	6.99	7.90	50.46	" "
8.87	20.00	20.27	4.00	4.91	7.50	9.89	12.50	43.56	" "
8.65	17.00	17.29	3.50	4.37	8.50	6.80	10.60	52.29	" "
8.71	14.00	17.38	4.00	5.15	8.50	6.84	7.25	54.67	" "
9.29	17.00	18.87	4.00	2.72	5.50	5.82	10.40	52.90	" "
9.48	14.00	16.42	4.00	5.00	8.00	7.33	8.89	52.88	" "
9.44	14.00	16.72	4.00	3.07	8.00	6.19	7.07	57.51	" "
8.01	9.00	9.44	2.25	2.24	15.00	14.91	6.41	58.99	" "
9.61	16.00	16.15	3.50	4.29	8.00	5.99	9.11	54.85	" "
8.63	17.00	16.94	4.00	4.54	8.00	7.54	9.40	52.95	" "
9.75	16.00	17.90	4.00	4.62	6.00	6.92	7.75	53.06	" "
8.03	20.00	20.88	4.00	4.12	8.00	5.27	7.60	54.10	" "
8.78	24.00	25.45	4.00	3.85	8.00	8.18	10.25	43.49	" "
10.03	20.00	19.96	5.00	4.41	7.00	6.59	7.50	51.51	" "
9.69	20.00	20.18	4.50	3.69	6.00	6.80	9.76	49.88	A.
6.28	32.00	33.35	4.75	5.07	11.00	9.18	8.20	37.92	As declared on sack
8.39	19.00	19.48	4.50	4.98	9.00	7.73	9.90	49.52	" "
9.20	19.00	19.48	5.00	5.19	7.00	5.99	9.65	50.49	" "
9.30	17.00	17.64	4.00	4.65	7.00	5.69	7.70	55.02	" "
8.59	13.00	14.48	4.25	4.32	11.44	9.78	6.95	55.88	" "
10.65	14.50	14.65	5.00	4.23	5.29	4.04	3.35	63.08	" "
.....	32.00	31.77	5.00	X5.61	.....	.....	10.75	.....	" "
.....	30.00	33.08	.25	X1.81	.....	.....	8.10	.....	" "
9.28	18.00	19.66	3.50	4.88	7.00	6.64	6.60	52.94	" "
9.22	16.00	17.58	4.00	4.43	6.00	4.49	4.79	59.49	" "

A—Ingredients on sack differ from license.
B—Also detected Charcoal.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Chas. F. Knock, Frederick, Md.	
Square "K" Laying Mash	Frederick
Kraft-Phenix Cheese Corp., Chicago, Ill.	
Collis Process Dried Buttermilk	Baltimore
Ward's Pure Dried Skim Milk	Baltimore
Chas. A. Krause Milling Co., Milwaukee, Wis.	
Badger White Hominy Feed	Adamstown
H. Curtis Krout, Maryland Line, Md.	
Krouts Egg Mash	Maryland Line
Land O'Lakes Creameries, Inc., Minneapolis, Minn.	
‡Land O'Lakes Feed Dried Skimmilk	Ellicott City
R. H. Lansdale, Sandy Springs, Md.	
Pure Wheat Bran	Sandy Springs
*Pure Wheat Middlings	Sandy Springs
The Larabee Flour Mills Co., Kansas City, Mo.	
"Sunfed" Winter Wheat Bran, with Ground Wheat Screenings N. Ex. M. R.	Baltimore
Larrowe Milling Co., Division of General Mills, Inc., Detroit, Mich.	
41% Protein Cottonseed Meal Prime Quality	Annapolis
Larrowe's 32% Dairy Feed	Dickerson
The Ready Ration for Dairy Cows	Baltimore
Larro Egg Mash (Pelleted)	Dickerson
Larro Egg Mash	Baltimore
Larro Egg Mash	Laurel
Larro Turkey Builder	Baltimore
Larro Turkey Finisher	Baltimore
Leisters Feed Store, Millers, Md.	
Hamco Egg Mash	Millers
John T. Lewis & Bros. Co., Philadelphia, Pa.	
34% Old Process Linseed Meal	Baltimore
The Liberty Milling Co., Germantown, Md.	
Liberty 32% Mixing Ration	Germantown
*Montgomery 26% Dairy Feed	Germantown
*Liberty 22% Dairy Feed	Germantown
Liberty 16% Dairy Feed	Germantown
Liberty Laying Mash	Germantown
*Liberty Hog Meal	Germantown
Liberty Starter and Grower Turkey Mash	Germantown
Lindsey, Robinson & Co., Inc., Roanoke, Va.	
Pure Soft Winter Wheat Bran	Hagerstown

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.25	2 .00	19.96	3.00	5.43	7.00	4.99	10.20	50.17	As declared on sack
.....	30.00	31.59	5.00	X5.49	.....	.....	8.45	.....	As declared on sack
.....	32.00	33.87	1.00	A1.27	.....	.....	8.10	.....	As declared on sack
8.67	10.00	11.23	6.00	5.94	5.00	5.05	2.90	66.21	" "
7.31	20.00	24.13	4.00	5.18	7.00	6.04	11.15	46.19	A.
.....	30.00	31.24	.50	X1.69	.....	.....	7.85	.....	As declared on sack
9.35	13.00	12.90	3.00	3.13	9.00	7.74	4.95	61.93	" "
10.76	13.00	10.88	3.00	3.06	6.00	3.52	1.35	70.43	" "
10.04	15.00	16.23	3.50	4.34	11.00	10.36	6.65	52.38	" "
7.49	41.00	42.03	6.00	6.39	10.00	9.35	7.05	27.69	" "
7.85	32.00	33.52	4.00	5.34	10.50	10.48	8.65	34.16	" "
8.87	20.00	21.15	3.75	4.42	12.00	10.01	7.00	48.55	" "
8.95	20.00	21.24	4.00	4.53	7.50	6.29	9.60	49.39	" "
9.92	20.00	20.27	4.00	4.15	7.50	6.41	9.90	49.35	" "
10.18	20.00	20.53	4.00	4.39	7.50	6.97	9.30	48.63	" "
8.67	24.00	25.45	4.50	4.77	6.50	6.39	12.85	41.87	" "
9.54	19.00	19.04	3.50	3.97	7.00	6.28	10.05	51.12	" "
8.87	20.00	20.09	4.00	4.92	8.00	6.43	10.85	48.84	" "
9.15	34.00	35.80	4.50	5.22	10.00	8.69	5.55	35.59	" " D.
7.90	32.00	31.59	4.00	4.79	11.00	8.02	8.40	39.30	" "
7.89	26.00	28.17	5.00	4.49	9.00	8.59	7.95	42.91	" "
7.74	22.00	23.17	5.00	4.09	10.00	11.28	8.50	45.22	" "
9.25	16.00	16.03	3.50	3.51	15.00	13.02	6.02	52.17	" "
8.61	19.00	21.32	4.50	5.38	7.00	6.58	13.85	44.26	C.
8.33	20.00	21.32	5.00	4.26	5.00	6.71	5.95	53.43	As declared on sack
7.99	18.00	19.66	4.50	5.31	6.00	11.16	10.30	45.58	" "
8.94	15.00	15.36	4.40	4.43	7.20	8.68	6.05	56.54	" " B.

A—Ingredients on sack differ from license.
B—Protein; Fat and Fibre guarantee on sack differ from license.
C—Protein guarantee and ingredients on sack differ from license.
D—Acid Insoluble Ash 0.25%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Linwood Elevator Co., Linwood, Md.	
Linwood Laying Mash	Linwood
Linwood Complete Pig Meal	Linwood
Lone Maple Tree Poultry Farm, Preston, Md.	
Lone Maple Tree Broiler Mash	Preston
L. B. Lovitt & Co., Memphis, Tenn.	
"Lovit Brand" 41% Protein Cotton Seed Meal	Maugansville
Maritime Milling Co., Inc., Buffalo, N. Y.	
Bull Brand "24" Dairy Ration Sweetened	Baltimore
Bull Brand "24" Dairy Ration Sweetened	Baltimore
Earl Martin, Hagerstown, Md.	
Reid 24% Dairy Feed	Hagerstown
The Maryland Tobacco Growers Association, Baltimore, Md.	
Marasso 32% Dairy Feed	Baltimore
Marasso 24% Milk Maker Dairy Feed	Baltimore
Marasso 20% Dairy Feed	Baltimore
Marasso Market Laying Mash	Baltimore
Marasso Laying Mash (with Alfalfa)	Baltimore
Marasso Horse Feed	Baltimore
Maurer Manufacturing Co., Newark, N. J.	
*Kwality Meat and Bone Scrap	Berlin
Menhaden Fish Meal Co., Baltimore, Md.	
*Meat and Bone Scrap	Baltimore
Meat and Bone Scrap	Baltimore
Meat and Bone Scrap	Baltimore
Meat and Bone Scrap	Cambridge
Fish Meal	Baltimore
Metcalfe Brothers, Chestertown, Md.	
Special Laying Mash	Chestertown
Chester Poult Mash	Chestertown
Leo H. Michael, Buckeystown, Md.	
*Michael's Laying Mash	Buckeystown
The Midland Flour Milling Co., Kansas City, Mo.	
Town Crier Pure Wheat Bran	Baltimore
The Mt. Airy Milling Co., Mt. Airy, Md.	
Lamore Egg Mash	Mt. Airy
Mutual Rendering Co., Inc., Philadelphia, Pa.	
Mureco Meat Scrap	Pocomoke City
Mureco Meat Scrap	Cambridge
Mureco Meat Scrap	Ellicott City

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.21	18.00	19.39	4.50	4.48	8.00	6.18	9.30	52.44	As declared on sack
8.67	15.00	17.81	4.00	4.33	7.00	7.94	8.55	52.70	" "
8.85	16.00	18.78	4.00	4.21	6.00	6.87	8.95	52.34	B.
7.94	41.00	41.51	5.00	7.13	13.00	10.12	7.35	25.95	As declared on sack
8.39	24.00	25.02	4.00	4.05	9.00	8.97	6.35	47.22	" "
10.31	24.00	24.10	4.00	4.44	9.00	8.14	7.48	45.53	" "
8.14	24.00	25.23	4.00	4.18	12.00	9.52	7.05	45.88	" "
9.18	32.00	34.04	4.00	3.96	8.50	7.62	7.84	37.36	A.
9.45	24.00	23.28	4.00	3.93	8.50	7.87	7.87	47.60	As declared on sack
10.24	20.00	21.45	4.00	4.02	8.50	7.82	6.56	49.91	" "
10.53	20.00	21.06	4.00	4.49	7.00	5.93	8.90	49.09	" "
9.46	20.00	21.71	4.00	4.89	7.00	7.21	8.15	49.58	" "
11.08	9.00	11.51	3.50	4.33	9.00	6.77	4.19	62.12	" "
5.49	50.00	48.97	6.00	10.13	3.00	1.97	33.40	.04	" "
6.24	55.00	53.18	8.00	12.24	2.00	1.53	26.79	.02	" "
5.49	50.00	49.84	8.00	8.34	2.00	1.87	32.20	2.26	" "
6.64	50.00	49.84	8.00	10.43	2.00	2.43	29.80	.86	" "
5.13	45.00	46.51	8.00	11.79	2.00	1.79	33.75	1.03	" "
7.98	58.00	59.76	6.00	6.04	2.00	.75	21.35	4.12	" "
9.54	20.00	21.94	4.00	4.42	10.00	7.59	8.30	48.21	" "
9.29	20.00	20.01	5.00	5.06	14.00	10.12	9.50	46.02	" "
8.26	18.00	19.13	5.00	4.28	12.00	9.89	10.75	47.69	B.
10.28	16.00	17.29	3.50	4.23	10.00	10.06	7.00	51.14	As declared on sack
8.09	19.00	19.92	5.50	4.94	8.00	8.08	12.15	46.82	" "
5.61	55.00	56.95	6.00	10.27	2.00	1.52	25.50	.15	" "
7.05	55.00	55.19	6.00	8.74	2.00	3.28	27.76	.....	" "
5.57	55.00	54.50	6.00	10.71	2.00	3.47	25.60	.15	" "

A—Ingredients on sack differ from license.
B—No information on sack.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Mutual Rendering Co., Inc., Philadelphia, Pa. (Continued)	
Mureco Meat and Bone	Pocomoke City
Mureco Meat and Bone	Denton
Mureco Meat and Bone	Denton
Mureco Meat and Bone	Ellicott City
Mureco Feeding Tankage	Ellicott City
The Neumond Co., St. Louis, Mo.	
Dried Brewer's Grains	Gaithersburg
New Richmond Roller Mills Co., New Richmond, Wis.	
*Feeding Oatmeal	Salisbury
‡Big R Reground Oat Hulls	Sudlersville
Norris Grain Co., Chicago, Ill.	
‡Expeller Process Soybean Oil Meal	St. Michaels
The Northwestern Consolidated Milling Division of Standard Milling Co., Minneapolis, Minn.	
XXX Comet	Baltimore
Norton & Co., Washington, D. C.	
Bone and Meat Scrap	Upper Marlboro
Nuttle Milling Co., Denton, Md.	
Ideal Laying Mash, with Cod Liver Oil and BM.	Denton
Ideal Growing Mash, with Cod Liver Oil and BM	Denton
Ideal Hog Feed	Denton
Ideal Turkey Mash, with Cod Liver Oil and BM	Denton
Geo. F. Obrecht Co., Baltimore, Md.	
Obaco 24% Dairy Feed	Baltimore
Obaco Pig and Hog Meal	Baltimore
*Obaco Turkey Starter and Grower	Baltimore
Old Fort Mills, Inc., Harrisburg, Pa.	
Old Fort 32% Dairy Feed	Galena
Old Fort 24% Dairy Feed	Hagerstown
Old Fort 20% Dairy Feed	Galena
Old Clock 16% Dairy Feed	Hagerstown
*Old Fort Laying Mash, with Milk and Oil	Cumberland
*Old Fort Laying Mash, with Milk and Oil	Cumberland
Old Clock Hog Feed	Cumberland
‡Old Fort Pig Meal	Cumberland
Old Fort Pig Meal	Cumberland
‡Old Clock Hog Feed	Cumberland
Old Fort Starter and Grower	Rockville
Old Fort Chick Starter, with Milk and Oil	Cumberland
Old Fort Turkey Mash	Hagerstown
Old Fort Turkey Mash	Cumberland
Old Fort Turkey Mix, with Cod Liver Oil	Bel Air

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
6.02	50.00	51.16	6.00	9.71	2.00	1.96	31.00	.15	As declared on sack	
6.49	50.00	53.44	6.00	11.04	2.00	2.03	25.64	1.36	"	"
6.63	45.00	46.51	6.00	8.76	2.00	1.65	33.80	2.65	"	"
6.05	45.00	45.81	6.00	9.08	2.00	1.79	34.35	2.92	"	"
6.12	60.00	60.29	6.00	6.45	4.00	1.30	23.60	2.24	"	"
7.81	24.00	26.94	4.50	5.12	18.00	14.29	2.60	43.24	"	"
9.99	15.00	16.67	5.00	4.02	3.75	3.89	2.30	63.13	"	"
7.96	4.50	5.79	1.25	1.23	30.00	30.47	6.60	47.95	"	"
9.33	41.00	42.56	4.50	5.62	7.00	6.14	6.20	30.15	"	"
10.34	16.00	19.39	4.00	4.23	4.00	2.16	2.70	61.18	"	"
9.15	50.00	50.11	8.00	9.51	2.00	2.35	31.75	.....	"	"
8.85	20.00	20.01	5.00	5.42	8.00	6.82	11.65	47.25	"	"
9.31	15.00	15.97	4.00	5.59	6.00	4.79	9.20	55.14	"	"
9.54	12.00	15.97	5.00	4.93	6.00	4.03	8.00	57.53	"	"
11.06	18.00	17.99	4.50	4.08	8.00	7.67	8.35	50.85	"	"
7.79	24.00	23.14	4.00	5.84	12.00	11.77	7.15	44.31	"	"
8.93	15.00	16.23	3.50	4.54	7.00	7.42	5.20	57.68	"	"
10.13	21.00	19.92	4.00	5.33	7.00	9.55	13.10	41.97	"	"
8.13	32.00	32.72	4.00	4.26	11.00	8.07	7.02	39.80	"	"
8.33	24.00	24.67	4.50	4.46	12.00	9.48	8.47	44.59	"	"
8.11	20.00	19.23	4.50	4.37	10.00	10.40	7.39	50.50	"	"
9.31	16.00	18.27	3.75	3.95	12.00	13.37	8.89	46.21	"	"
10.12	20.00	20.45	5.00	4.16	8.00	6.36	7.40	51.51	"	"
10.09	20.00	21.41	5.00	3.61	8.00	6.39	6.10	52.40	"	"
9.66	16.00	16.96	4.00	4.28	10.00	6.28	8.00	54.82	"	"
9.24	18.00	21.01	4.00	4.21	9.00	5.25	8.71	51.58	"	"
11.21	18.00	18.68	4.00	4.29	9.00	6.91	5.32	53.59	"	"
9.70	16.00	17.21	4.00	4.27	10.00	6.80	6.94	55.08	"	"
8.38	17.00	17.72	4.00	4.36	6.00	7.87	7.85	53.82	"	"
10.35	18.50	18.25	4.00	4.21	6.00	5.08	6.00	56.11	"	"
9.01	20.00	22.82	4.00	4.60	8.00	7.34	10.10	46.13	"	"
10.26	20.00	20.88	4.00	4.41	8.00	5.49	5.25	53.71	"	"
8.24	36.00	35.28	4.00	4.94	7.00	7.41	14.15	29.98	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Owings Brothers, York, Pa.	
June Bug 32% Mixing Ration	Aberdeen
June Bug 32% Mixing Ration	Aberdeen
June Bug 24% Dairy Feed	Aberdeen
June Bug 24% Dairy Feed	Aberdeen
16% Dairy Feed	Jarrettsville
June Bug Laying Mash, with Cod Liver Oil	Aberdeen
June Bug Laying Mash, with Cod Liver Oil	Jarrettsville
June Bug Growing Mash, with Cod Liver Oil	Jarrettsville
June Bug Turkey Growing Mash, with Cod Liver Oil	Jarrettsville
The Park & Pollard Co., Buffalo, N. Y.	
Doublex 24% Dairy Ration	Walkersville
Manamar Lay or Bust Dry-Mash	Walkersville
Penn Dairies, Inc., York, Pa.	
Pensupreme Dried Skim Milk	Westminster
Pfeffer Milling Co., Lebanon, Ill.	
Wheat Middlings, with Ground Screenings N. Ex. M. R.	Laurel
Planters Nut & Chocolate Co., Suffolk, Va.	
Planters 41% Protein Peanut Meal	Frederick
Pratt Food Co., Inc., Buffalo, N. Y.	
Pratts Sweet 24% Dairy Feed	Centreville
Pratts Sweet 20% Dairy Feed	Centreville
Pratts Sweet 16% Dairy Feed	Centreville
Pratts Sweet 16% Dairy Feed	Berwyn
Pratts C-Ka-Gene Ration	Ellicott City
Pratts Cak Cak Egg Mash	Centreville
Pratts Cak Cak Egg Mash	Berwyn
Pratts Laying Mash	Berwyn
‡Pratts 35% Poultry Concentrate	Centreville
Pratts Sugared Hog Feed	Ellicott City
‡Pratts Special Fattening Mash	Baltimore
Pratts Intermediate Scratch Feed	Baltimore
Pratts Circle A Scratch Feed	Berwyn
Pratts Turkey Growing and Finishing Feed	Centreville
Pratts Turkey Starter	Centreville
The Procter & Gamble Distributing Co., Cincinnati, Ohio	
P. & G. Cocoanut Oil Meal	Baltimore
The Quaker Oats Co., Chicago, Ill.	
Ful-O-Pep Egg Breeder Mash	Baltimore
Ful-O-Pep Egg Breeder Mash	Hagerstown
Ful-O-Pep Crate Fattener	Baltimore
Ful-O-Pep Crate Fattener	Annapolis
Quaker Pig-N-Hog Feed	Baltimore
Quaker Pig-N-Hog Feed	Hagerstown

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.88	32.00	34.42	4.00	3.99	9.00	7.76	8.63	35.32	A.
9.33	32.00	35.84	4.00	3.57	9.00	8.47	8.26	34.53	A.
9.85	24.00	26.52	4.00	4.25	11.00	9.31	8.06	42.01	As declared on sack
10.28	24.00	27.38	4.00	3.75	11.00	8.55	8.60	41.44	" "
10.36	16.00	18.30	3.00	3.25	12.00	10.75	9.43	47.91	B.
7.99	20.00	20.80	3.00	4.44	7.00	7.09	11.30	48.38	As declared on sack
8.62	20.00	21.41	3.00	4.26	7.00	6.39	11.20	48.12	" "
8.94	16.00	17.38	3.00	4.15	8.00	7.54	8.05	53.94	" "
8.74	20.00	20.62	3.00	4.06	8.00	6.68	8.50	51.40	C.
9.34	24.00	24.40	3.50	4.75	11.00	9.10	10.72	41.69	As declared on sack
7.75	18.00	19.39	3.00	3.99	7.00	6.50	10.10	52.27	" "
.....	33.00	33.78	.10	X .41	.....	.....	8.40	.....	" "
10.55	16.00	15.97	4.50	4.99	6.00	6.39	4.26	57.84	" "
7.86	41.00	45.81	6.00	8.08	10.00	4.98	5.15	28.12	" "
9.63	24.00	25.96	4.00	4.56	10.00	9.24	7.36	43.25	" "
8.01	20.00	21.68	4.00	4.00	12.00	11.61	8.04	46.66	" "
9.26	16.00	20.42	3.50	3.50	12.00	10.48	8.22	48.12	" "
9.58	16.00	19.56	3.50	3.50	12.00	11.22	8.21	47.93	" "
8.76	17.00	18.16	3.50	6.28	6.00	5.64	10.00	51.16	" "
9.59	18.00	19.92	3.50	3.96	8.00	7.09	8.10	51.34	" "
10.08	18.00	19.74	3.50	3.73	8.00	7.69	8.38	50.41	" "
10.48	20.00	20.97	3.50	4.69	7.25	6.59	10.80	46.47	" "
7.83	35.00	35.54	4.00	4.79	6.00	6.04	13.45	32.35	" "
10.42	15.00	18.08	4.50	4.11	10.00	9.18	8.15	50.06	" "
9.11	12.00	14.39	4.25	4.44	6.75	5.66	4.90	61.50	" "
10.73	10.00	10.00	2.00	2.16	4.00	1.83	1.45	73.83	" "
11.09	10.00	9.13	2.00	2.65	4.00	2.68	1.80	72.65	" "
8.99	21.00	22.11	5.00	5.82	7.00	7.71	10.40	44.97	" "
8.42	25.00	26.50	4.50	4.96	6.00	5.53	11.45	43.14	" "
7.81	20.00	20.36	5.00	6.45	11.00	13.11	7.05	45.22	" "
9.61	20.00	20.06	4.50	5.36	8.00	6.38	9.07	49.52	" "
8.61	20.00	20.69	4.50	5.67	8.00	6.64	8.51	49.88	" "
10.99	13.00	14.99	4.00	4.48	7.50	7.94	3.39	58.21	" "
8.54	13.00	14.42	4.00	4.87	7.50	7.28	3.65	61.24	" "
9.82	16.00	16.97	3.50	4.30	10.00	5.42	8.15	55.34	" "
8.92	16.00	18.60	3.50	4.52	10.00	5.81	8.76	53.39	" "

A—Fat and Fibre guarantee and ingredients on sack differ from license.
B—Ingredients on sack differ from license.
C—Also detected Corn Gluten.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Quaker Oats Co., Chicago, Ill. (continued)	
Ful-O-Pep Broiler Mash	Baltimore
Ful-O-Pep Broiler Mash	Federalsburg
Ful-O-Pep Turkey Grower	Annapolis
Ralston Purina Co., St. Louis, Mo.	
Purina Cow Chow 34%	Frederick
Purina Cow Chow 34%	Ellicott City
Purina Cow Chow 24%	Frederick
Protein 16% Dairy Feed (Buffalo Mill)	Rising Sun
Purina Layena (Complete Ration)	Annapolis
Purina Layena (Complete Ration)	Laurel
Purina Bulky Las Chow (Buffalo Mill)	Hyattsville
Purina Bulky Las Chow (Buffalo Mill)	Rising Sun
Purina Hog Fatena	Annapolis
Purina Dry and Freshing Chow	Baltimore
Purina Broiler Chow	Taneytown
*Purina Chicken Fatena	Baltimore
Purina Chicken Fatena	Towson
Purina Chick Growena	Laurel
Corn Feed Meal	Mt. Lake Park
Purina Turkey Growing Chow	Ellicott City
Purina Turkey Growing Chow	Hyattsville
Purina Turkey Startena	Annapolis
Purina Rabbit Chow (Complete Ration) (Buffalo Mill)	Hyattsville.
Purina Rabbit Chow (Complete Ration) (Buffalo Mill)	Baltimore
Red Lion Mill, Millington, Md.	
Red Lion Laying Mash	Millington
Red Lion Starting Mash	Millington
A. F. Rees, Inc., Hanover, Pa.	
Rees Meat Scrap	Elkton
Rees Meat Scrap	Taneytown
The Reindollar Co., Taneytown, Md.	
32% Hi-Concentrate	Taneytown
Egg Mash	Taneytown
Pig and Hog Meal	Taneytown
The Richards Milling Co., Cortland, Ohio	
*Richards Cash Dairy Feed	Friendsville
Richards 16% Dairy Feed	Cumberland
Richards Cash Laying Mash	Friendsville
Richards Thrift Growing Mash	Cumberland
‡Richards Sweet Special Chop	Friendsville
Richards Hog Meal	Cumberland
Richardson Brothers, Westminster, Md.	
Richardson's Honey Boy Walck Laying Mash	Westminster
Richardson's Honey Boy Pig and Hog Meal	Westminster

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.70	19.00	21.77	4.50	4.37	7.00	5.77	7.36	51.03	As declared on sack
8.70	19.00	19.48	4.50	5.13	7.00	5.46	5.59	55.64	" "
8.40	20.00	21.81	4.50	4.90	8.00	6.88	9.08	48.93	" "
8.01	34.00	35.69	4.00	5.72	11.00	7.83	10.67	32.08	" "
8.82	34.00	34.29	3.50	4.72	11.00	7.40	9.50	35.27	" "
9.63	24.00	25.11	4.00	4.92	11.00	7.16	8.16	45.02	" "
11.48	16.00	17.48	3.50	3.48	14.00	11.85	8.25	47.46	" "
9.05	15.50	17.99	3.50	5.01	8.00	6.21	8.20	53.54	" "
9.35	15.50	17.11	3.50	4.40	8.00	6.38	8.76	54.00	" "
9.36	9.00	11.82	1.30	2.24	15.00	10.82	10.07	55.69	" "
11.98	9.00	12.87	1.30	2.19	15.00	11.10	11.28	50.58	" "
8.81	14.00	14.81	3.00	3.79	7.00	5.75	5.65	61.19	" "
9.39	12.50	14.84	2.50	2.72	14.00	10.61	10.38	52.06	" "
7.55	18.00	21.32	4.00	5.22	7.00	6.67	7.90	51.34	" "
9.13	14.00	17.08	4.00	3.30	7.50	7.15	4.34	59.00	" "
8.86	14.00	16.67	4.00	7.93	7.50	7.45	3.80	55.29	" "
10.75	15.00	16.94	3.50	4.15	7.00	5.89	6.25	56.02	" "
11.08	8.50	9.39	3.00	4.22	5.00	2.76	1.65	70.90	" "
8.59	21.00	22.29	3.50	4.98	8.00	6.62	9.35	48.17	" "
10.72	21.00	22.46	3.50	4.21	8.00	6.79	8.40	47.42	" "
9.32	24.00	25.62	4.50	5.43	6.00	5.94	8.55	45.14	" "
9.57	13.50	15.95	2.50	3.23	16.00	10.66	5.14	55.45	" "
8.74	13.50	14.88	2.50	3.04	16.00	12.02	5.49	55.83	" "
8.74	20.00	19.31	4.00	3.95	9.00	9.70	7.15	51.15	" "
9.77	17.00	17.20	4.00	4.26	5.00	6.59	7.85	54.33	" "
5.05	50.00	51.69	10.00	13.49	2.25	1.78	26.55	1.44	A.
6.83	50.00	50.90	10.00	12.33	2.25	1.52	28.20	.22	A.
7.03	32.00	32.91	4.00	4.92	12.00	9.61	7.95	37.58	B.
9.33	20.00	20.36	4.00	4.03	8.00	6.05	11.45	48.78	As declared on sack
10.19	16.50	16.32	4.50	3.68	7.00	5.98	9.00	54.83	" "
8.49	24.00	25.90	4.00	2.68	11.00	10.24	12.75	39.94	" "
8.65	16.00	16.65	3.00	3.33	12.00	9.03	8.36	53.98	" "
8.63	20.00	20.80	3.00	4.40	8.00	7.93	9.30	48.94	" "
8.70	18.00	20.36	3.00	4.19	8.00	8.26	9.00	49.49	" "
11.44	8.00	8.02	3.00	2.91	12.00	8.09	6.43	63.11	" "
9.76	16.00	17.99	4.00	4.31	8.00	7.90	9.15	50.89	C.
9.54	20.00	20.61	4.00	4.68	8.00	5.87	10.08	49.22	As declared on sack
9.70	16.00	16.21	3.50	4.91	6.50	5.99	7.83	55.36	" "

A—Should be designated as Meat and Bone Scrap.
B—Ingredients on sack differ from license.
C—Also detected–Wheat Bran, Soybean Oil Meal and Corn Gluten Feed.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Daniel Rider, Baltimore, Md.	
Winner 16% Dairy Feed	Baltimore
Rinaman & Brown, Hampstead, Md.	
Browns Egg Mash	Hampstead
Robinson Brothers, Cardiff, Md.	
*Robinson's 32% Dairy Ration	Cardiff
*Robinson's 32% Daily Ration	Cardiff
*Robinson's 24% Dairy Ration	Darlington
*Robinson's 20% Dairy Ration	Cardiff
*Robinson's 20% Dairy Ration	Darlington
*Robinson's Quality 20% Laying Mash	Cardiff
W. D. Roe & Son, Sudlersville, Md.	
Roe's Milkmore 24%	Sudersville
Roe's Lay More Mash	Sudlersville
*Roe's Growmore Mash, with BM	Sudlersville
C. E. Routzahn, Breathedsville, Md.	
Dairy Feed	Breathedsville
*Laying Mash	Breathedsville
Hog Feed	Breathedsville
St. Michaels Milling Co., St. Michaels, Md.	
Quillin's Laying Mash	St. Michaels
Quillin's Growing Mash	St. Michaels
Pig and Hog Meal	St. Michaels
Quillin's Turkey Growing Mash	St. Michaels
Saunders Mills, Inc., Toledo, Ohio	
Dehydrated Alfalfa Meal, Carotene Brand	Baltimore
Alfalfa Meal	Baltimore
Schenley Distillers Corp., New York, N. Y.	
*Schenley's Mark of Merit Corn Distillers Dried Grains	Elkton
Jos. Schlitz Brewing Co., Milwaukee, Wis.	
Schlitz Purity Brewers Dried Grains	Baltimore
Schlitz Purity Brewers Dried Grains	Gaithersburg
The Wm. Schluderbreg-T. J. Kurdle Co., Baltimore, Md.	
Esskay Quality Meat and Bone Scrap	Berlin
*Esskay Quality Digester Tankage	Baltimore
Sea Board Supply Co., Inc., Philadelphia, Pa.	
‡*Sterilized Steam Feeding Bone Meal	Cambridge
*Sea Board Fish Meal	Frederick
Sea Board Fish Meal	Frederick
‡Sea Board Crab Meal	Breathedsville

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found				
9.91	16.00	18.30	3.00	3.12	11.00	10.27	7.84	50.56	As declared on sack	
9.19	18.00	17.11	4.00	4.49	6.00	5.63	5.70	57.88	"	"
10.21	32.00	33.33	5.00	2.99	9.50	8.83	7.30	37.34	"	"
9.09	32.00	31.97	5.00	4.42	9.50	8.47	9.42	36.63	"	"
9.82	24.00	25.97	4.75	4.00	10.50	10.00	8.11	42.10	C.	
11.35	20.00	20.46	4.50	2.70	10.00	10.70	7.96	46.83	As declared on sack	
10.18	20.00	20.27	4.50	3.29	10.00	10.08	9.48	46.70	"	"
9.36	20.00	17.99	4.00	4.20	7.50	6.93	8.30	53.22	"	"
9.06	24.00	25.57	4.00	3.84	11.00	9.70	9.60	42.24	"	"
8.44	18.00	18.45	4.75	4.28	9.25	8.59	8.74	51.50	"	" A.
10.21	17.25	16.67	5.25	3.80	7.00	5.67	6.65	57.00	"	" B.
9.66	16.00	16.15	4.00	4.02	6.00	8.27	6.80	55.10	"	"
8.94	18.00	16.85	4.00	4.12	7.00	7.38	14.20	48.51	"	"
10.01	17.00	17.20	4.00	4.05	5.00	4.41	8.20	56.13	"	"
8.73	20.00	20.88	5.00	4.67	7.00	7.23	10.80	47.69	"	"
9.39	16.00	17.99	4.00	5.15	6.00	6.05	7.55	53.87	"	"
10.99	15.00	17.55	4.50	4.97	6.00	4.39	6.25	55.85	"	"
8.28	20.00	20.01	4.50	6.25	7.00	8.13	8.65	48.68	"	"
7.54	17.00	17.38	1.50	2.45	25.00	25.24	9.30	38.09	"	"
7.02	13.00	14.30	1.50	1.33	33.00	32.79	8.15	36.41	"	"
6.65	28.00	26.41	8.00	8.51	13.00	14.19	2.18	42.06	"	"
5.46	24.00	29.31	6.00	6.27	20.00	16.65	4.45	37.86	"	"
6.48	24.00	26.68	6.00	5.53	20.00	18.13	3.80	39.38	"	"
6.41	55.00	55.02	6.00	11.20	5.00	1.62	25.15	.60	"	"
5.01	60.00	63.18	8.00	6.97	5.00	1.31	23.50	.03	"	"
.....	5.00	3.25	.....	.....	.....	.....	86.95	.....	"	"
7.87	55.00	54.23	5.00	4.48	3.00	3.49	26.85	3.08	"	"
7.25	55.00	55.72	5.00	5.04	3.00	3.52	25.25	3.22	"	"
8.93	28.00	31.41	1.00	1.49	8.00	10.11	44.60	3.46	"	"

A—Fat and Fibre guarantee on sack differ from license.
B—Protein and Fat guarantee on sack differ from license.
C—Also detected Molasses.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Charles H. Seward, Raspeburg, Md.	
Golden Glow Laying Mash	Raspeburg
The Sharples Specialty Co., Philadelphia, Pa	
Hy-Pro Feed	Cardiff
Hy-Pro Feed	Gaithersburg
B. F. Sheesley & Son, Harrisburg, Pa.	
‡*Sheesley's Champion Live Stock Feed	Chestertown
Shellabarger Grain Products Co., Decatur, Ill.	
Shellabarger's Cooked Soybean Oil Meal	Germantown
M. L. Shoemaker & Co., Inc., Philadelphia, Pa.	
Shoemaker's "Swift-Sure" Ground Meat and Bone Scrap for Poultry	Easton
The W. J. Small Co., Neodesha, Kan.	
Keystone Fine Ground Dehydrated Alfalfa Leaf Meal	Easton
H. Ray Smith, Doubs, Md.	
Lo-Cost Laying Mash	Doubs
Lo-Cost Pig Meal	Doubs
The Southern Cotton Oil Co., New Orleans, La.	
SCO-Co Peanut Oil Meal	Baltimore
Southern States Cooperative Mills, Inc., Baltimore, Md.	
24% Dairy	Baltimore
Milk Maker	Hagerstown
Milk Maker	Chestertown
Super Milk Maker	Baltimore
20% Dairy	Baltimore
20% Dairy	Chestertown
Summer Dairy	Bel Air
Exchange Dairy	Baltimore
Exchange Dairy	Gaithersburg
18% Dairy	Baltimore
16% Dairy	Gaithersburg
Laying Mash, with Alfalfa Meal	Laurel
Laying Mash, with Alfalfa Meal	Parkton
Laying Mash, with Alfalfa Meal	Baltimore
Market Laying Mash	Taneytown
Special Laying and Breeding Mash	Parkton
Super Laying Mash	Baltimore
Growing Mash	Parkton
Ground Horse Feed	Baltimore
Horse Feed	Baltimore
Hog Feed	Gaithersburg
Starting and Growing Mash	Bel Air
Intermediate Scratch	Baltimore

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
8.27	20.00	21.85	5.00	5.22	7.00	5.27	10.85	48.54	As declared on sack	
8.32	22.00	22.46	5.00	4.53	10.00	13.48	7.50	43.71	"	"
8.15	22.00	23.08	5.00	6.11	10.00	12.44	7.40	42.82	"	"
7.76	18.00	16.67	10.00	9.69	12.00	13.25	7.00	45.63	"	"
7.88	41.00	44.05	4.00	6.28	7.50	5.58	7.30	28.91	"	"
6.14	50.00	49.15	6.00	10.44	3.00	2.00	31.90	.37	"	"
7.20	20.00	22.64	2.50	3.92	18.00	16.83	9.30	40.11	"	"
7.58	16.50	17.11	4.50	4.35	7.00	6.86	7.65	56.45	"	"
9.60	14.00	14.00	4.00	3.82	7.00	5.13	4.00	63.45	"	"
7.11	41.00	42.33	6.00	6.25	15.00	14.78	4.40	25.13	"	"
9.98	24.00	24.42	2.50	4.19	12.00	11.12	7.48	42.81	"	"
[10.18	24.00	24.70	4.00	4.53	10.00	7.82	6.53	46.24	"	"
7.89	24.00	24.04	4.00	4.24	10.00	7.06	6.40	50.37	"	"
9.10	24.00	25.49	4.50	5.25	9.50	7.06	7.19	45.91	"	"
[10.65	20.00	20.16	2.50	3.83	12.00	11.51	6.90	46.95	"	"
8.04	20.00	20.94	2.50	3.75	12.00	10.60	7.48	49.19	"	"
9.93	20.00	20.18	3.00	4.11	10.00	6.75	4.67	54.36	"	"
11.09	20.00	20.58	4.00	4.53	10.00	7.61	7.30	48.89	"	"
9.21	20.00	19.85	4.00	4.62	10.00	7.41	6.81	52.10	"	"
10.26	18.00	19.96	2.50	3.50	12.00	11.72	7.59	46.97	"	"
9.02	16.00	17.09	2.50	3.73	12.00	11.58	7.72	50.86	"	"
10.33	20.00	20.09	4.00	4.82	7.00	6.07	10.14	48.55	"	"
8.99	20.00	20.01	4.00	5.59	7.00	6.23	10.65	48.53	"	"
8.00	20.00	20.36	4.00	5.07	7.00	6.01	10.60	49.96	"	"
9.49	20.00	20.27	4.00	5.23	7.00	5.02	9.15	50.84	"	"
8.15	19.50	20.01	4.00	4.40	7.00	6.20	10.05	51.19	"	"
8.32	19.50	20.18	4.00	5.31	7.00	5.11	9.10	51.98	"	"
8.85	17.50	18.52	4.00	4.24	6.50	6.60	9.61	52.18	"	"
10.99	10.00	11.67	2.50	3.85	8.50	7.13	4.60	61.76	"	"
11.22	9.00	12.59	3.50	3.50	9.00	7.38	4.25	61.06	"	"
11.12	14.00	14.74	3.50	4.48	6.00	5.47	5.70	58.49	"	"
9.81	17.50	18.43	4.00	4.49	6.50	6.25	7.85	53.17	"	"
10.73	9.50	10.02	2.00	2.32	3.00	1.61	1.30	74.02	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Southern States Cooperative Mills, Inc., Baltimore, Md. (Cont.)	
50–50 Coarse Scratch	Baltimore
Super Coarse Scratch	Baltimore
Turkey Growing Mash	Bel Air
Turkey Starting Mash	Bel Air
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.	
‡Kellogg's 37% Protein O. P. Linseed Meal	Baltimore
Springfield Roller Mills, Sykesville, Md.	
Hering's Dairy Feed 16%	Sykesville
Hering's Laying Mash	Sykesville
Hering's Pig Meal	Sykesville
A. E. Staley Manufacturing Co., Decatur, Ill.	
Staley's Soybean Oil Meal	Washington Grove
Staley's Corn Gluten Feed	Hagerstown
State Mill & Elevator, Grand Forks, N. D.	
‡Dakota Maid Standard Middlings, with Ground Screennigs	Baltimore
E. Steen & Brother, Baltimore, Md.	
Milk Producer Dairy Feed	Baltimore
*Little Boy Blue Dairy Feed	Baltimore
*Spring Garden Egg Mash	Baltimore
Golden Goose Laying Mash	Baltimore
‡Sweetened Grain Blowings	Sykesville
Golden Goose Fancy Chick Starter, with BM. and Cod Liver Oil	Baltimore
D. A. Stickell & Sons, Inc., Hagerstown, Md.	
Su-Pur Sweet 32% Mixing Ration	Rising Sun
Snap Sweet 20% Dairy Feed	Hagerstown
Blue Ridge Egg Mash	Forest Hill
Blue Ridge Egg Mash	Forest Hill
Su-Pur Growing Mash	Forest Hill
Su-Pur Growing Mash	Rising Sun
Su-Pur Coccidiosis Flushing Mash	Salisbury
Su-Pur Horse and Calf Feed	Forest Hill
Blue Ridge Pig and Hog Ration	Salisbury
‡Zip Pig and Hog Meal	Glyndon
Blue Ridge Broiler Mash	Salisbury
‡Blue Ridge Baby Chick Starter	Salisbury
Su-Pur Turkey Growing Mash	Forest Hill
Su-Pur All Mash Turkey Starter	Forest Hill
F. W. Stock & Sons, Hillsdale, Mich.	
Stock's Wheat Bran	Washington Grove
David Stott Flour Mills, Inc., Detroit, Mich.	
‡Pennant Wheat Middlings and Wheat Screenings	Washington Grove

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.40	9.50	9.30	2.00	2.01	3.00	1.87	1.45	74.97	As declared on sack
10.29	9.50	8.51	2.00	2.76	3.00	1.69	1.65	75.10	" "
9.51	20.00	21.32	4.00	3.97	7.00	6.21	8.14	50.85	" "
8.37	24.00	24.04	4.00	5.45	7.00	6.01	10.25	45.88	" "
10.07	37.00	40.63	4.50	4.51	9.00	7.01	5.35	32.43	As declared on sack A.
10.93	16.00	16.54	3.50	4.49	9.50	7.64	6.78	53.62	" "
10.84	20.00	19.74	5.00	5.13	7.00	6.31	10.30	47.68	" "
10.68	18.00	17.72	3.50	4.11	5.00	5.18	8.05	54.26	" "
10.61	41.00	41.42	4.00	4.17	7.00	6.39	5.95	31.46	" "
9.98	25.00	29.75	1.50	1.52	8.00	6.25	8.30	44.20	" "
11.62	16.00	17.72	4.00	5.07	8.00	7.48	4.60	53.51	" "
10.10	20.00	21.95	3.50	3.60	12.00	11.50	7.87	44.98	B.
11.11	16.00	17.55	3.50	2.47	13.00	7.46	8.23	53.18	C.
9.47	18.00	18.78	4.00	3.49	10.00	6.06	9.60	52.60	D.
8.55	20.00	19.48	4.00	4.38	9.00	5.47	9.70	52.42	B.
10.24	9.00	10.13	2.00	2.31	16.00	8.35	5.26	63.71	As declared on sack
7.99	14.00	16.85	4.00	3.76	6.00	5.50	9.65	56.25	E.
8.88	32.00	32.06	4.50	4.03	10.00	8.03	8.53	38.47	" "
8.83	20.00	20.27	3.00	3.20	12.00	11.48	8.07	48.15	" "
8.90	20.00	21.59	5.00	4.92	6.00	6.28	7.80	50.51	" "
9.04	20.00	20.18	5.00	5.04	6.00	5.77	9.10	50.87	" "
8.79	17.00	18.25	4.00	5.17	6.00	6.42	10.25	51.12	" "
9.62	17.00	17.72	4.00	4.53	6.00	5.71	11.26	51.16	" "
10.97	14.00	16.20	3.00	3.88	5.00	3.53	11.57	53.85	" "
10.95	9.00	10.43	2.50	3.52	12.00	6.22	3.68	65.20	" "
9.81	17.00	18.66	3.00	5.51	6.00	5.84	11.29	48.89	" "
11.11	14.00	15.67	3.25	4.55	6.50	6.51	6.08	56.08	" "
8.52	18.00	19.89	4.00	4.39	5.50	4.81	8.65	53.74	" "
9.52	16.00	20.01	3.50	5.69	4.50	4.36	9.10	51.32	" "
8.87	17.00	19.04	4.00	5.50	6.00	7.26	10.50	48.83	" "
9.03	22.00	23.25	4.00	5.18	6.00	5.46	9.70	47.38	" "
10.78	17.50	17.99	4.00	4.68	10.00	8.73	6.25	51.57	" "
11.49	15.00	17.99	4.00	4.27	9.00	6.65	4.90	54.70	" "

A—Acid Insoluble Ash 0.19%.
B—Ingredients on sack differ from license.
C—Unable to detect Linseed Oil Meal.
D—Unable to detect Wheat Bran.
E—Also detected Soybean Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Chas. M. Struven Co., Baltimore, Md.	
Struvens Fish Meal	Denton
Struvens Fish Meal	Baltimore
Suffolk Oil Mill Inc., Suffolk, Va.	
Peanut Meal	Bel Air
Taneytown Grain & Supply Co., Taneytown, Md.	
Taney Laying Mash	Taneytown
Taney Pig and Hog Feed	Taneytown
Texas Star Flour Mills, Galveston, Texas	
Wheat Bran and Screenings	Baltimore
Thomas & Co., Gaithersburg, Md.	
Excelsior Dairy Feed	Gaithersburg
Economy Dairy Feed	Gaithersburg
"Makan-Eg" Egg Mash	Gaithersburg
"Makan-Eg" Egg Mash	Gaithersburg
Thomas Supply Co., Adamstown, Md.	
Thomas 32% Dairy Feed	Adamstown
*Thomas 24% Mormilk	Adamstown
Thomas 16% Milk Maker	Adamstown
Thurmont Milling & Supply Association Cooperative, Inc., Thurmont, Md.	
32% Thurmont Supplement Dairy	Thurmont
Thurmont 16% Dairy Feed	Thurmont
Thurmont Laying Mash	Thurmont
*Thurmont Hog Meal	Thurmont
J. T. Towson & Son, Smithsburg, Md.	
*Hog Feed	Smithsburg
Jacob Trinley & Sons, Linfield, Pa.	
Favorite Laying Mash	Baltimore
‡Real Growing Mash	Baltimore
Mixing Special	Baltimore
‡Real Intermediate Chick Feed	Baltimore
Favorite Scratch Grains	Baltimore
Favorite Pigeon Feed	Baltimore
Truslow Poultry Farm, Inc., Chestertown, Md.	
Truslow Approved Poultry Mash	Chestertown
The Ubiko Milling Co., Cincinnati, Ohio	
‡Clover Bloom Sweet 16% Feed	Barnesville
Ultra-Life Laboratories, Inc., East St. Louis, Ill.	
Ultra-Life Concentrate	Walkersville

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.77	55.00	57.22	4.00	5.26	2.00	.56	23.80	6.39	As declared on sack
6.95	55.00	57.39	4.00	7.39	2.00	.54	23.25	4.48	" "
5.74	41.00	41.16	6.00	8.54	8.00	9.14	7.05	28.37	" "
9.14	18.00	18.60	4.50	5.13	6.75	4.91	9.60	52.62	" "
10.06	18.00	18.64	4.25	4.87	6.75	6.79	6.12	53.52	" "
8.78	15.00	16.23	4.00	4.36	10.50	10.51	6.75	53.37	" "
8.56	24.00	24.39	5.00	4.85	9.00	8.87	7.70	45.63	A.
9.07	20.00	21.76	4.50	4.98	9.00	7.47	6.40	50.32	As declared on sack
8.71	20.00	20.01	5.00	5.15	9.00	6.29	10.20	49.64	" "
10.28	20.00	19.92	5.00	5.11	9.00	6.24	8.55	49.90	" "
9.07	32.00	33.60	5.00	4.69	9.00	6.97	8.97	36.70	" "
10.00	24.00	24.97	4.00	3.46	12.00	11.51	9.31	40.75	" "
9.03	16.00	18.58	3.00	3.68	15.00	13.22	7.15	48.34	" "
9.63	32.00	35.63	3.00	3.99	7.00	7.99	7.01	35.75	A.
11.15	16.00	15.66	3.00	2.64	14.00	10.76	7.68	52.11	As declared on sack
7.84	20.00	19.13	4.00	5.05	9.00	6.19	7.85	53.94	" "
9.09	16.00	16.76	5.00	4.27	14.00	4.36	6.30	59.22	" " B.
9.25	16.50	15.23	4.00	3.58	6.50	5.94	6.15	59.85	C.
8.23	18.00	19.67	4.00	4.68	8.00	9.12	9.88	48.42	" "
8.52	17.00	19.57	4.00	4.92	10.00	6.95	8.40	51.64	" "
9.56	3.00	4.30	1.00	1.11	15.00	15.60	8.93	60.50	" "
10.92	10.00	10.18	3.00	2.84	5.00	2.15	2.10	71.81	" "
10.79	9.00	10.09	2.00	2.51	5.00	3.14	2.20	71.27	" "
10.66	9.00	11.93	2.00	2.15	5.00	3.34	2.25	69.67	D.
9.17	18.00	20.62	3.75	4.21	8.00	7.21	6.70	52.09	As declared on sack
8.80	16.00	16.01	3.00	3.67	15.00	11.35	11.89	48.28	" "
9.35	22.00	23.11	6.50	8.83	5.50	4.69	7.33	46.69	" "

A—Ingredients on sack differ from license.
B—Protein, Fat and Fibre guarantee on sack differ from license.
C—No information on sack.
D—Unable to detect Hemp Seed.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Union Rendering Co., Inc., Baltimore, Md.	
Nocako Molasses Meal	Sandy Springs
The Van Iderstine Co., Long Island City, N. Y.	
Vico Quality Meat and Bone Scraps for Poultry	Westminster
Virginia Maryland Dairy Feeders Co., Inc., Baltimore, Md.	
Dried Brewers Grains	Baltimore
Vitality Mills, Inc., Chicago, Ill.	
*Domino 24½% Dairy Feed	Ellicott City
*Cream-O-Lene Dairy Feed	Barnesville
*Domino Butterine Dairy Feed	Ellicott City
Domino Laying Mash	Ellicott City
Export Laying Mash	Barnesville
Domino Egg Pel-ets	Ellicott City
‡Velvet Horse Feed	Baltimore
Domino 18% Pig Meal	Barnesville
Domino Broiler Ration	Barnesville
‡Domino Broiler Ration	Barnesville
‡Vitality Breeding Pigeon Feed	Baltimore
‡Domino Growing and Fattening Turk-ets	Ellicott City
Walsh & Co., Stemmers Run, Md.	
Ken-Wal Brand Laying Mash	Stemmers Run
C. B. Watkins & Co., Baltimore, Md.	
Foxhall Hog Feed	Baltimore
Weigel Brothers, Oxford, Pa.	
Soft Winter Wheat Bran, with Ground Screenings	Rising Sun
Westover Mills, Westover, Md.	
Perfection Laying Mash	Westover
Wilkins Rogers Milling Co., Inc., Washington, D. C.	
Big Five Dairy Feed	Annapolis
Washington Egg Mash, with Cod Liver Oil	Upper Marlboro
Maryland University 1928 Contest Egg Mash	Hyattsville
Washington Growing Mash, with Cod Liver Oil	Upper Marlboro
*Grassy Mead 21% Hog Feed	Upper Marlboro
Washington Broiler Mash	Clinton
Washington Fattening Mash	Upper Marlboro
Washington Turkey Starter Mash	Upper Marlboro
Washington Turkey Developer Mash	Annapolis
A. J. Wilson, White Hall, Md.	
Wilson's Open Formula Egg Mash No. 1	White Hall
Zeigler Brothers, Loysville, Pa.	
Ty-Le Roy Dehydrated Alfalfa Meal	Chewsville

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.66	10.00	14.51	2.00	2.69	8.00	9.85	7.95	56.34	As declared on sack
6.19	50.00	50.02	5.00	4.95	3.00	3.01	30.25	5.58	" "
6.16	28.00	28.08	6.00	6.21	15.00	15.91	4.05	39.59	" "
9.45	24.50	22.47	4.50	4.50	9.00	8.45	12.29	42.84	" "
9.48	24.00	25.65	4.00	3.49	12.00	8.98	10.55	41.85	" "
9.61	17.00	17.28	4.00	3.47	12.00	10.62	11.35	47.67	" "
8.93	20.00	19.92	4.00	4.38	8.00	6.83	10.45	49.49	A.
8.10	17.00	18.25	3.50	4.07	7.50	7.38	15.00	47.20	B.
9.76	20.00	19.31	4.50	4.54	7.50	7.48	10.25	48.66	" "
10.50	7.00	9.74	1.50	2.27	12.00	8.62	10.92	57.95	" "
8.54	18.00	17.37	4.50	4.27	7.50	7.28	7.62	54.92	A.
8.18	18.00	18.69	4.00	4.70	6.50	6.34	9.00	53.09	As declared on sack
8.75	18.00	19.13	4.00	4.69	6.50	6.18	9.95	51.30	" "
8.73	10.00	17.99	2.50	2.94	5.00	3.69	2.60	64.05	C.
9.55	20.00	20.71	4.00	4.91	8.00	6.72	10.25	47.86	As declared on sack
8.19	20.00	21.76	4.00	5.47	7.00	6.13	11.90	46.55	" "
8.12	15.25	17.72	2.98	4.40	7.33	9.26	7.85	52.65	" "
9.51	14.00	13.69	3.00	3.72	12.00	9.06	5.90	58.12	" "
8.86	20.00	20.36	4.00	5.77	8.00	7.58	10.20	47.23	" "
8.89	20.00	19.48	5.00	4.94	12.00	9.34	5.20	52.15	" "
9.28	22.00	22.46	5.00	5.07	8.00	5.54	11.15	46.50	" "
10.29	20.00	19.92	5.00	4.87	7.00	6.07	10.85	48.00	" "
9.03	17.00	17.99	5.00	5.56	6.00	6.13	10.70	50.59	" "
8.89	21.00	21.15	6.00	5.45	7.00	7.39	7.45	49.67	D.
8.05	20.00	20.27	4.00	6.29	9.00	5.37	7.90	52.12	E.
9.56	18.00	17.99	5.00	5.06	6.00	6.46	6.14	54.79	As declared on sack
9.49	22.00	23.43	5.00	5.29	7.00	4.85	10.00	46.94	" "
10.33	20.00	20.01	4.50	4.49	8.00	5.53	6.80	52.84	" "
9.52	18.00	17.99	4.00	4.14	7.50	7.25	8.44	52.66	" "
5.61	17.00	16.23	2.00	2.23	25.00	24.85	8.80	42.28	" "

A—Unable to detect Linseed Oil Meal.
B—Fibre guarantee on sack differs from license—Also detected Corn Gluten Meal.
C—Also detected Buckwjeat.
D—Also detected Soybean Oil Meal.
E—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Allied Mills, Inc., Chicago, Ill.	
Wayne Dog Food Blox	Federalsburg
Wayne Dog Food Krums	Gaithersburg
Balorations, Inc., Waverly, N. Y.	
Tioga Dog Food Meal	Baltimore
Champion Animal Food Co., Minneapolis, Minn.	
North Star Kibbled Dog Food	Baltimore
Chappel Bros., Inc., Rockford, Ill.	
Ken-L-Ration	Baltimore
Kit-E-Ration	Baltimore
Maro-Meat	Baltimore
Coast Fishing Co., Wilmington, Calif.	
Puss 'N Boots	Baltimore
The Derwood Mill, Derwood, Md.	
Derwood Dog Food	Derwood
Eastern States Farmers' Exchange, Springfield, Mass.	
Dog Feed	Snow Hill
John W. Eshelman & Sons, Lancaster, Pa.	
Eshelman Red Rose Dog and Puppy Food	Annapolis
Federline Brothers, Bethesda, Md.	
*Pepet Dog Food	Bethesda
Gaines Food Co., Sherburne, N. Y.	
Gaines Meat and Milk Meal Cooked	Hagerstown
Kasco Mills, Inc., Waverly, N. Y.	
Kasco Complete Dog Ration	Baltimore
Lauderdale Kennels, Owings Mills, Md.	
Lauderdale Dog and Puppy Food	Owings Mills
Old Fort Mills, Inc., Harrisburg, Pa.	
‡Old Fort Dog Feed	Hagerstown
Old Fort Dog Feed	Rockville
Ralston Purina Co., St. Louis, Mo.	
Purina Dog Chow Checkers	Baltimore
Spratt's Patent (AM) Limited, Newark, N. J.	
Spratt's Fibo	Baltimore
Spix Dog Biscuits	Baltimore
Vita-Fresh Dog Food Corp., Long Island City, N. Y.	
Vita-Best Dog Meal	Easton

* Deficient in both protein and fat.
‡ Sampled before registration.

FEED

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.43	25.00	25.62	4.00	4.83	5.00	3.77	9.95	48.40	
7.23	25.00	28.96	4.00	4.48	5.00	4.17	11.55	43.61	
8.19	20.00	26.06	2.50	7.37	3.00	2.08	13.25	43.05	
8.83	19.00	18.61	1.75	2.38	3.50	4.54	5.15	60.49	
68.46	10.00	11.62	2.00	4.70	2.00	.57	3.55	11.10	
71.05	10.00	11.58	1.00	3.07	2.00	.56	3.96	9.78	
52.07	10.00	18.36	2.00	8.43	1.25	.53	16.46	4.15	
70.19	14.00	13.34	6.00	6.29	1.00	.71	4.06	5.41	
6.86	25.00	28.26	4.00	5.29	4.00	3.48	14.10	42.01	
8.43	22.50	22.73	4.00	5.24	3.50	3.37	10.20	50.03	
7.99	23.00	23.52	4.75	4.85	3.50	3.28	12.05	48.31	
68.67	10.00	8.98	9.00	10.30	1.00	.86	3.10	8.09	
7.24	23.00	26.94	3.00	4.45	4.00	3.70	13.75	43.92	
8.65	22.00	28.87	4.00	3.88	4.00	3.47	10.50	44.63	
8.92	24.00	23.96	6.00	5.25	7.00	5.09	10.65	46.13	
8.31	30.00	30.54	5.00	4.78	8.00	4.16	11.95	40.26	
7.41	30.00	33.70	5.00	4.99	8.00	4.13	13.35	36.42	
7.65	20.00	24.13	3.00	6.28	6.00	3.57	6.95	51.42	
6.92	20.00	22.29	2.00	2.09	1.50	1.18	2.45	65.07	
7.33	20.00	21.50	2.00	3.50	1.50	3.36	2.35	61.96	A.
8.12	26.67	28.78	4.50	3.24	3.36	2.58	19.80	37.48	

A—Also detected Charcoal.

MINERAL

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Sea Board Supply Co., Inc., Philadelphia, Pa.	
Sea Board Soluble Mineral Iodized	Berlin
Sea Board Soluble Mineral Iodized	Denton
Sea Board Mineral Base	Derwood

FEED

CALCIUM Ca		PHOSPHORUS P		SALT		
Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
30.00	**31.11**	7.00	**7.16**	8.00	**6.10**	
30.00	**31.50**	7.00	**7.51**	8.00	**8.25**	
25.00	**31.14**	7.00	**8.29**			

LIME ANALYSES

A detailed report of the results obtained in the inspection and analyses of agricultural liming materials from July 1, 1938 to January 1, 1939, is contained in pages 97 to 104 inclusive. Limes are considered seriously deficient with respect to chemical analyses when they are one per cent or more deficient in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)

No.	Manufacturer and Brand	Placed Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates CaCO3		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	S. W. Barrick & Sons, Inc., Woodsboro, Md.										
4097	Barrick's Agric. Lump Lime	Woodsboro	85.00	**93.90**	2.00	**1.32**	87.00	**95.22**	.....	**1.13**	.67
4135	†Barrick's High Grade Agric. Lime	Woodsboro	75.00	**81.30**	2.00	**4.43**	77.00	**85.73**	3.00	**4.22**	**3.35**
	The Cavetown Planing Mill Co., Cavetown, Md.										
4090	Lump Lime	Cavetown	80.00	**69.90**	2.00	**25.58**	82.00	**95.48**	.....	**1.29**	.88
4089	†Ground Lime	Cavetown	80.00	**73.15**	2.00	**10.59**	82.00	**83.74**	.....	**4.47**	**4.04**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
4124	Famous Frederick County Agric. Lime-Lump	Frederick	86.00	**73.10**	4.00	**23.44**	90.00	**96.54**	.....	**1.84**	.23
4126	†Famous Frederick County Ground Lime	Frederick	75.00	**74.05**	5.00	**12.18**	80.00	**86.23**	.....	**5.72**	**4.57**
	The Standard Lime & Stone Co., Baltimore, Md.										
4102	†Agric. Ground Lime	Catoctin	91.00	**93.85**	1.00	**1.89**	92.00	**95.74**	2.50	**1.63**	.62
	Stoner & Powell, Woodsboro, Md.										
4098	Old Reliable Fountain Rock Lump Lime	Fountain Rock	85.00	**91.10**	2.00	**1.31**	87.00	**92.41**	.....	**2.31**	**1.33**
4099	†Old Reliable Fountain Rock Ground Lime	Fountain Rock	70.00	**72.85**	5.00	**3.07**	75.00	**75.92**	.....	**15.68**	**6.53**

† Mechanical analysis of Ground Burnt Lime, see page 8.

ANALYSES OF AGRICULTURAL HYDRATED LIME

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates CaCO3		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	J. E. Baker Co., York, Pa.										
4103	†Susquehanna Hydrate	Street	66.00	**59.20**	6.00	**17.93**	72.00	**77.13**	2.75		**.35**
	S. W. Barrick & Sons, Inc., Woodsboro, Md.										
4104	†Barrick's Hydrated Lime	Fallston	60.00	**61.95**	2.00	**4.33**	62.00	**66.28**	3.00		**1.32**
4096	†Barrick's Hydrated Lime	Woodsboro	65.00	**63.95**	2.00	**3.69**	67.00	**67.64**	3.00		**4.73**
4141	†Barrick's Hydrated Lime	Woodsboro	65.00	**65.25**	2.00	**3.21**	67.00	**68.46**	3.00		**4.80**
	G. & W. H. Corson, Plymouth Meeting, Pa.										
4119	†Corson's High Magnesium Hydrate	Chestertown	46.50	**47.10**	31.00	**33.60**	77.50	**80.70**	1.		**.43**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
4127	†Famous Frederick County Hydrated Lime	Frederick	65.00	**62.40**	5.00	**7.82**	70.00	**70.22**			**2.66**
4106	†Famous Frederick County Hydrated Lime	Bel Air	65.00	**61.90**	5.00	**8.77**	70.00	**70.67**			**2.99**
	A. H. Hoffman, Inc., Landisville, Pa.										
*4133	†Hoffman's Hydrated Lime	Baltimore	70.00	**68.90**	1.50	**.87**	71.50	**69.77**			**2.08**
	Keller Lime Co., Inc., Buckeystown, Md.										
4128	†Keller's Hydrate	Buckeystown	66.00	**66.60**	1.50	**4.46**	67.50	**71.06**			**2.81**
	Legore Lime Co., Legore, Md.										
4136	†LeGore's Hydrated Lime	LeGore	65.00	**66.60**	5.00	**4.56**	70.00	**71.16**	3.00		**1.81**
	Maryland Tobacco Growers Association, Baltimore, Md.										
4129	†Md. Assoc. Brand Agric. Hydrated Lime	Baltimore	46.50	**47.30**	31.00	**33.52**	77.50	**80.82**	2.50		**.87**
	H. E. Millard, Annville, Pa.										
4107	†Sweet-Arrow Hydrated Lime										

	H. E. Millard, Annville, Pa.											
4107	†Sweet-Arrow Hydrated Lime	Rising Sun	70.00	**70.55**	1.00	**1.91**	71.00	**72.46**	1.50			**.55**
	National Gypsum Co., Buffalo, N. Y.											
4120	†Gold Bond Hydrated Lime	Cambridge	71.00	**71.15**	1.00	**1.92**	72.00	**73.07**				**.16**
4108	†Palmer Hydrated Lime	Cardiff	70.00	**71.50**	2.00	**1.91**	72.00	**73.41**				**4.25**
	North American Cement Corp., New York, N.Y.											
4093	†Berkeley Agric. Hydrate	Ellicott City	70.00	**71.40**	2.00	**1.74**	72.00	**73.14**				**.28**
	Riverton Lime & Stone Co., Inc., Riverton, Pa.											
4118	†Perfection Brand Agric. Hydrated Lime	Centreville	55.00	**60.55**	10.00	**10.23**	65.00	**70.78**	10.00			**.42**
	Shank & Etzler Lime Co., Frederick, Md.											
4132	†Agric. Hydrated Lime	Frederick	45.00	**47.85**	20.00	**27.62**	65.00	**75.47**	1.00			**5.51**
	The Standard Lime & Stone Co., Baltimore, Md.											
4110	†Standard Agric. Hydrated Lime	Riderwood	71.00	**72.20**	1.00	**1.18**	72.00	**73.38**	2.50			**1.08**
4100	†Standard Agric. Hydrated Lime	Dickerson	71.00	**72.45**	1.00	**1.11**	72.00	**73.56**	2.50			**1.13**
4095	†Standard Agric. Hydrated Lime	Baltimore	71.00	**72.40**	1.00	**1.11**	72.00	**73.51**	2.50			**.87**
4092	†Standard Agric. Hydrated Lime	Washington Grove	71.00	**71.90**	1.00	**1.10**	72.00	**73.00**	2.50			**1.04**
	Steacy & Wilton & Co., Wrightsville, Pa.											
4130	†"Sterling" Brand Hydrated Lime	Owings Mills	69.00	**72.10**	3.00	**2.86**	72.00	**74.96**	1.00			**.31**
4121	†"Sterling" Brand Hydrated Lime	Denton	69.00	**67.70**	3.00	**6.40**	72.00	**74.10**	1.00			**.88**
	Thomasville Stone & Lime Co., Thomasville, Pa.											
4113	†Thomasville Hydrated Lime	Bel Air	70.00	**71.20**	2.00	**3.30**	72.00	**74.50**	97.87			**.31**
	Warner Company, Philadelphia, Pa.											
4115	†Warner "Limoid"	Elkton	46.50	**46.50**	31.00	**32.97**	77.50	**79.47**	3.00			**.67**

* Product deficient in total oxides.
† Mechanical analysis of Hydrated Lime, see page 8.

ANALYSES OF AGRICULTURAL LIME STONE, MARL AND OYSTER SHELLS

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	F. & H. Benning Oyster & Lime Co., Galesville, Md.								
4140	†Ground Oyster Shell	Galesville	49.00	**50.20**	.50	**.66**	49.50	**50.86**	**4.83**
	Herbert Bryant, Inc., Alexandria, Va.								
4123	†Pulverized Oyster Shell	Washington Grove	45.00	**43.95**	.50	**.59**	45.50	**44.54**	**15.65**
	L. H. Burton, Texas, Md.								
4139	†Dolomite	Texas	27.00	**28.70**	18.00	**19.59**	45.00	**48.29**	**9.78**
	Harry T. Campbell Sons' Co., Towson, Md.								
4105	†Campbell's H. T. C. Special	Texas	54.00	**54.20**	1.00	**.94**	55.00	**55.14**	**1.66**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.								
4125	†Pulverized Limestone	Frederick	53.00	**53.70**	1.00	**1.28**	54.00	**54.98**	**1.77**
	LeGore Lime Co., LeGore, Md.								
4137	†LeGore's Agric. Limestone	LeGore	50.00	**53.65**	5.00	**2.65**	55.00	**56.30**	**9.03**
	National Gypsum Co., Buffalo, N. Y.								
4109	†Challenge Brand Pulverized Limestone Flour	Cardiff	51.00	**54.35**	3.00	**1.47**	54.00	**55.82**	**.38**
	The Standard Lime & Stone Co., Baltimore, Md.								
4111	†Standard Pulverized Limestone	Riderwood	53.20	**54.75**	.50	**.92**	53.70	**55.67**	**.72**
4101	†Standard Pulverized Limestone	Dickerson	53.20	**54.75**	.50	**.99**	53.70	**55.74**	**.71**
4094	†Standard Pulverized Limestone	Sykesville	53.20	**54.85**	.50	**.91**	53.70	**55.76**	**.67**
4091	†Standard Pulverized Limestone	Washington Grove	53.20	**54.75**	.50	**.89**	53.70	**55.64**	**.76**
4131	**Steacy & Wilton Co., Wrightsville, Pa.** †Pulverized Limestone	Clyndon							

No.	Manufacturer and Brand	Placed Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates CaCO3		Sand & Insol.
			FOUND	Guaranteed	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	Steacy & Wilton Co., Wrightsville, Pa.										
4131	†Pulverized Limestone	Glyndon	52.00	51.10	2.00	3.81	54.00	54.91			1.44
	Thomasville Stone & Lime Co., Thomasville, Pa.										
4117	††Thomasville Pulverized Limestone	Fallston	53.20	54.40	1.90	1.15	55.10	55.55			.56
*4112	†Thomasville Pulverized Quicklime	Bel Air	93.00	88.50	2.00	5.15	95.00	93.65			1.08
	Warner Company, Philadelphia, Pa.										
4114	†Warner Pulverized Limestone	Elkton	30.00	30.60	20.00	21.35	50.00	51.95			1.83
	West Virginia Lime Co., Roanoke, Va.										
4116	†"West Virginia Precipitated"	Elkton	50.00	51.70	.50	.92	50.50	52.62			3.54

* Product deficient in total oxides.
† Mechanical analysis of Ground Limestone and Oyster shells, see page 8.
‡ Guarantee on bag differs from license.

MISCELLANEOUS LIMING PRODUCTS

No.	Manufacturer and Brand	Placed Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates CaCO3		Sand & Insol.
			FOUND	Guaranteed	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
4138	**North American Cement Corp., New York, N.Y.** Security Refuse Liming Material	Security	44.00	44.25	2.25	2.43	46.25	46.68			10.07

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
	J. E. Baker Co., York Pa.							
4103	Susquehanna Hydrate	Street	100.	**100.**	100.	**100.**	99.95	**100.**
	S. W. Barrick & Sons, Inc., Woodsboro, Md.							
4141	Barrick's Hydrated Lime	Woodsboro	100.	**94.**	92.	**86.**	89.	**82.**
4135	Barrick's High Grade Agric. Lime	Woodsboro	95.	**85.**	70.	**63.**	60.	**54.**
4104	Barrick's Hydrated Lime	Fallston	100.	**97.**	92.	**90.**	89.	**86.**
4096	Barrick's Hydrated Lime	Woodsboro	100.	**99.**	92.	**94.**	89.	**90.**
	F. & H. Benning Oyster & Lime Co., Galesville, Md.							
4140	Ground Oyster Shell	Galesville	93.	**58.**	58.	**36.**	44.	**28.**
	Herbert Bryant, Inc., Alexandria, Va.							
4123	Pulverized Oyster Shell	Washington Grove	90.	**84.**	68.	**31.**	34.	**18.**
	L. H. Burton, Texas, Md.							
4139	Dolomite	Texas	87.	**90.**	12.	**31.**	5.	**24.**
	Harry T. Campbell Sons' Co., Towson, Md.							
4105	Campbell's H. T. C. Special	Texas	100.	**100.**	95.	**99.**	75.	**84.**
	The Cavetown Planing Mill Co., Cavetown, Md.							
4089	Ground Lime	Cavetown	56.	**62.**	42.	**21.**	39.	**16.**
	G. & W. H. Corson, Plymouth Meeting, Pa.							
4119	Corson's High Magnesium Hydrate	Chestertown	99.	**100.**	97.	**99.**	85.	**97.**

4089	Ground Lime	Cavetown	56.	62.	42.	21.	39.	16.

	G. & W. H. Corson, Plymouth Meeting, Pa.								
4119	Corson's High Magnesium Hydrate	Chestertown	99.	100.	97.	99.	95.	98.
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.								
4126	Famous Frederick County Ground Lime	Frederick	50.	74.	35.	49.	25.	43.
4127	Famous Frederick County Hydrated Lime	Frederick	100.	100.	99.	97.	90.	94.
4106	Famous Frederick County Hydrated Lime	Bel Air	100.	100.	99.	96.	90.	92.
4125	Pulverized Limestone	Frederick	100.	100.	98.	99.	94.	93.
	A. H. Hoffman, Inc., Landisville, Pa.								
4133	Hoffman's Hydrated Lime	Baltimore	100.	100.	99.25	99.	99.	98.
	Keller Lime Co., Inc., Buckeystown, Md.								
4128	*Keller's Hydrate	Buckeystown	.....	100.	.....	100.	.....	99.
	LeGore Lime Co., LeGore, Md.								
4136	LeGore's Hydrated Lime	LeGore	100.	100.	98.	99.	97.	97.
4137	LeGore's Agric. Limestone	LeGore	100.	100.	100.	98.	97.	91.
	Maryland Tobacco Growers Asso., Baltimore, Md.								
4129	Md. Assoc. Brand Agric. Hydrated Lime	Baltimore	99.90	100.	98.	100.	95.	100.
	H. E. Millard, Annville, Pa.								
4107	Sweet-Arrow Hydrated Lime	Rising Sun	100.	100.	99.25	100.	99.	100.
	National Gypsum Co., Buffalo, N. Y.								
4120	Gold Bond Hydrated Lime	Cambridge	100.	100.	98.	100.	97.	99.
4108	Palmer Hydrated Lime	Cardiff	100.	100.	98.	100.	97.	98.
4109	Challenge Brand Pulverized Limestone Flour	Cardiff	100.	100.	100.	100.	99.	100.
	North American Cement Corp., New York, N. Y.								
4093	Berkeley Agric. Hydrated Lime	Ellicott City	100.	100.	99.	100.	98.90	100.
	Riverton Lime & Stone Co., Inc., Riverton, Va.								
4118	Perfection Brand Agric. Hydrated Lime	Centreville	98.	100.	95.	100.	90.	100.
	Shank & Etzler Lime Co., Frederick, Md.								
4132	Agric. Hydrated Lime	Frederick	80.	98.	60.	88.	55.	81.

‡ No Mechanical Fineness guarantee given.

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME—(Continued)

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
	The Standard Lime & Stone Co., Baltimore, Md.							
4102	Agric. Ground Lime	Catoctin	100.	100.	99.90	100.	99.75	99.
4110	Standard Agric. Hydrated Lime	Riderwood	100.	100.	99.50	100.	95.	100.
4100	Standard Agric. Hydrated Lime	Dickerson	100.	100.	99.50	100.	95.	99.
4095	Standard Agric. Hydrated Lime	Baltimore	100.	100.	99.50	100.	95.	99.
4092	Standard Agric. Hydrated Lime	Washington Grove	100.	100.	99.50	100.	95.	100.
4111	Standard Pulverized Limestone	Riderwood	100.	100.	99.90	100.	99.75	99.
4101	Standard Pulverized Limestone	Dickerson	100.	100.	99.90	100.	99.75	99.
4094	Standrad Pulverized Limestone	Sykesville	100.	100.	99.90	100.	99.75	100.
4091	Standard Pulverized Limestone	Washington Grove	100.	100.	99.90	100.	99.75	99.
	Steacy & Wilton Co., Wrightsville, Pa.							
4130	"Sterling" Brand Hydrated Lime	Owings Mills	100.	100.	99.25	100.	99.	100.
4121	"Sterling" Brand Hydrated Lime	Denton	100.	100.	99.25	99.	99.	98.
4131	Pulverized Limestone	Glyndon	100.	100.	100.	100.	100.	100.
	Stoner & Powell, Woodsboro, Md.							
4099	Old Reliable Fountain Rock Ground Lime	Fountain Rock	80.	80.	60.	50.	40.	44.
	Thomasville Stone & Lime Co., Thomasville, Pa.							
4113	Thomasville Hydrated Lime	Bel Air	100.	100.	98.	99.	97.	97.
4117	Thomasville Pulverized Limestone	Fallston	100.	100.	99.50	100.	99.	100.
4112	Thomasville Pulverized Quicklime	Bel Air	90.	86.	66.	51.	50.	41.
	Warner Company, Philadelphia, Pa.							
4115	Warner "Limoid"	Elkton	100.	100.	97.	100.	95.	99.
4114	Warner Pulverized Limestone	Elkton	100.	100.	100.	100.	99.50	100.
	West Virginia Lime Co., Roanoke, Va.							
4116	"West Virginia Precipitated"	Elkton	90.	96.	70.	83.	60.	75.

4116	**West Virginia Lime Co., Roanoke, Va.** "West Virginia Precipitated"	Elkton	90.	96.	70.	83.	60.	75.